



5th ARCH_RNT

Archaeological Research & New Technologies



4-5 OCTOBER 2018, KALAMATA

Organized By:



Ελληνική Δημοκρατία
Περιφέρεια Πελοποννήσου



Laboratory
Archaeometry



Δήμος Καλαμάτας

Sponsor



SYMPOSIUM PROGRAMME

Thursday, October 4

18:00 - 18:45	Registration
18:45 - 19:00	Welcoming Remarks and Opening Ceremony
19:00 - 21:00	SESSION 1
19:00 - 19:30	KEYNOTE. (O-1) New insights into the production technology of Chinese blue by TEM/STEM (G. Patriarche, Y. Lin, X. Huang, P. Walter and I. Kakoulli)
19:30 - 20:00	KEYNOTE. (O-2) Analytical Electron Microscopy of nanoparticles in Hidalgo/Pachuca obsidian (N.J. Zaluzec, S. Nicolopoulos and J. Arenas-Alatorre)
20:00 - 20:20	(O-3) Cathodoluminescence on archaeological samples and provenance analysis (S. Nicolopoulos, P.P. Das, N. Zacharias, A. Oikonomou and E. Palamara)
20:20 - 20:40	(O-4) Preliminary Electron Microprobe results on new excavated ceramic fabric from Kastrouli Late Helladic site (I. Baziotis, S. Xydous, S. Manimanaki and I. Liritzis)
21:00	Welcome Cocktail at the Campus of the University of the Peloponnese

Friday, October 5

09:30 - 10:50	SESSION 2
09:30 - 09:50	(O-5) X-Ray Diffraction, SEM/EDX and FTIR investigation of red coloured fragments of wall paintings from the Victory Monument of Augustus in Nicopolis, Greece (Y. Facorellis, E. Tziamourani, S. Boyatzis, E. Nesserli, K.L. Zachos and M. Karampa)
09:50 - 10:10	(O-6) The use of Scanning Electron Microscopy in samples from Dionysius of Fourna panel paintings. Observations and Results (T. Mafredas, G. Karatasios, S. Boyatzis and E. Kouloumpi)
10:10 - 10:30	(O-7) Yet another Angelos' painting? An analytical investigation of a 15th century Cretan icon (G. Mastrotheodoros, M. Theodosios and K.G. Beltsios)
10:30 - 10:50	(O-8) The Mosaic Room of the Roman Baths in Derveni, Corinthia: Use of SEM-EDS for materials characterisation and understanding of its renovation stages (E. Kyriazi, N. Zacharias, D. Sarri, E. Georgiou and E. Koumpoula)
10:50 - 11:20	Coffee Break

11:20 - 13:00	SESSION 3
11:20 - 11:40	(O-9) Cleaning of paintings using highly viscous polymeric dispersions PVA-BORAX and Optical Coherence Tomography (<u>D. Lazidou</u> , I. Teknetzi, I. Karapanagiotis and C. Panayiotou)
11:40 - 12:00	(O-10) Salt crystallization damage at repair interfaces in Malecon in Havana, Cuba (<u>A.M. Aguilar Sanchez</u> , F. Caruso, F. Girardet, F. Martirena, T. Wangler and R.J. Flatt)
12:00 - 12:20	(O-11) Evaluation of the morphological characteristics of different consolidation nanomaterials for cultural heritage conservation (<u>A. Michalopoulou</u> , A. Bonazza, V. Kilikoglou and I. Karatasios)
12:20 - 12:40	(O-12) Identification of tinning of ancient low tin bronzes using SEM-Imaging (<u>P. Manti</u> and D. Watkinson)
12:40 - 13:00	(O-13) Distinguish between ancient and modern leaded tin-bronzes based on the composition of their lead inclusions (S. Shilstein, A. Berner, Y. Feldman, Y. Rosenberg and <u>S. Shalev</u>)
13:00 - 14:00	Lunch Break
14:00 - 15:30	POSTER SESSION
15:30 - 17:10	SESSION 4
15:30 - 15:50	(O-14) The history and statistics of Electron Microscopy Studies of archaeological and Cultural Heritage materials (G. Malaperdas, <u>V. Panagiotidis</u> , C. Valantou and N. Zacharias)
15:50 - 16:10	(O-15) Characterisation of the ceramic technology of a late Helladic ceramic assemblage from Kastrouli Settlement, Delphi (Central Greece) by means of Scanning Electron Microscopy (<u>V. Xanthopoulou</u> , I. Iliopoulos and I. Liritzis)
16:10 - 16:30	(O-16) Study of materials and production of amphorae with SEM/EDX and XRD from the Scene Building of the Roman Theatre of Milos (<u>R. Papadopoulos</u> and Y. Facorellis)
16:30 - 16:50	(O-17) A textural characterisation study of Roman - late Roman wares from the surface survey in Sphakia area, Crete (<u>A.-M. Pollatou</u> , E. Nodarou and I. Iliopoulos)
16:50 - 17:10	(O-18) Analytical and Technological Study of Bishop Iosif's Androusis Mitre (<u>M. Koutsodimitropoulou</u> and A. Karatzani)
17:10 - 17:40	Coffee Break
17:40 - 19:00	SESSION 5
17:40 - 18:00	(O-19) Identifying oxide staining in "black bones" from archaeological and palaeontological contexts through SEM-EDS: The case study of Dispilio, Greece (<u>E. Stathopoulou</u> , E. Margariti and M. Mallouchou)
18:00 - 18:20	(O-20) Use of SEM/EDS for the characterisation of Upper Miocene fossilized bone from Kerasia, Euboea (<u>M. Mousi</u> , E. Kyriazi and N. Zacharias)
18:20 - 18:40	(O-21) Application of SEM-EDS analysis in the study of leather samples (<u>N. Macro</u> , M. Ioele and L. Arrizza)
18:40 - 19:00	(O-22) OM and SEM/EDS on hairs of an Egyptian child mummy from the Anthropological Museum of Athens. Interpretation of results and preventive conservation suggestions (<u>A. Karamanou</u> , E. Kyriazi, A. Velegraki, Y. Facorellis, M. Koloukosa and D. Moissidou)

POSTER SESSION

P-1. Bronze pins and metallurgical material from the Sanctuary of Athena Alea at Tegea, Arcadia, Greece, 9th-7th c. BC: A technological study (N.K. Kladouri, V. Orfanou and N. Zacharias)

P-2. Analysis of metal threads by means of SEM/EDS on ecclesiastical textiles: The Epitrichelia of St. Dionysios, Zakynthos (Ch. Karydis and A. Oikonomou)

P-3. A SEM-EDX/OM study of the 19th century S. Chrysanthopoulos' Naive wall paintings (Pyrgos Village, Euboea, Greece) (A. Oikonomou, G. Mastrotheodoros, V. Panagopoulou and N. Salamouris)

P-4. The SEM/EDX and XRF non-destructive analysis of thirty Neolithic beads from the Sarakenos Cave, Boeotia (K. Davri, Y. Facorellis, G. Mastrotheodoros and A. Sampson)

P-5. SEM analysis of late Classical and Hellenistic black glazed pottery from ancient Messene, Greece (E. Triantafyllidi, E. Palamara, E. Zimi and N. Zacharias)

P-6. A physicochemical study of Medieval and early Modern glazed pottery from Corinth, Greece by SEM/EDS (E. Palamara and N. Zacharias)

P-7. Generation of UV-induced radiation defects in calcite (Z. Kabacinska, R. Krzyminiwski, K. Tadyszak and E. Coy)

P-8. Marine geophysical survey in a significant archaeological site: Vathi Bay, Astypalea Island, Aegean Sea (A. Noti, N. Georgiou, X. Dimas, D. Christodoulou, M. Geraga, A. Vlachopoulos, G. Papatheodorou)

P-9. The study of microbial activity in fossil bone through Scanning Electron Microscopy: Examples from Greece & Cyprus (E. Stathopoulou, E. Margariti and M. Mallouchou)