PROGRAMME – SCHOOL OF PYROTECHNOLOGY AND ANCIENT METAL PRODUCTION

Artemonas, Siphnos, 28 September – 7 October 2026

ΜΕΤΑΛΛΩΝ ΤΟΠΟΙ ΙΙ

Monday 28/9

10:00–10:45
Registration
(collection of educational material, practical information)
Official opening
(opening remarks, introductions, presentation of the School theme)
(Dr E. Filippaki – N.C.S.R. "Demokritos")

10:45–11:30
Introduction to Archaeometry: "Bridging Archaeology and Science/ Archaeometry"
(Dr I. Bassiakos – N.C.S.R. "Demokritos")

11:30–11:45
Coffee break

11:45–12:30
Introduction to Pyrotechnology (ceramics, glass, metals)
(Dr M. Kaparou – N.C.S.R. "Demokritos", President of the HSA)

12:30–13:15
Geology of Greece and introduction to Archaeometallurgy
(Dr E. Filippaki – N.C.S.R. "Demokritos")

13:15
Light lunch & break

16:00–18:00
Visit to the Lempesis pottery workshop

19:30
Welcome dinner for participants

Tuesday 29/9

10:00–10:45
From Ore to Silver: Metallurgical Processes in Ancient Lavreotiki
(Dr F. Hulek – N.C.S.R. "Demokritos")

10:45–11:30
Bronze Age metallurgy on Siphnos: archaeological evidence
(Dr G. Gavalas – Ephorate of Antiquities of the Cyclades)

11:30–11:45
Coffee break

11:45–12:30
EBA metallurgical production in the Aegean
(Dr M. Giannakopoulou – N.K.U.A.)

12:30–13:15
Early and Middle Bronze Age copper metallurgy of Cyprus
(Dr A. Charalambous – STARC – The Cyprus Institute, ARU – University of Cyprus)

13:15
Light lunch & break

17:00–20:00
Public information event for the "METAL PLACES II" Project

20:00
Reception with buffet and light refreshments

Wednesday 30/9

10:00–10:45
From ore to metal: the copper production sequence
(Dr I. Bassiakos / Dr E. Filippaki – N.C.S.R. "Demokritos")

10:45–11:30
Copper alloys from the Bronze Age to the Roman period: enduring traditions and technological innovations
(Prof. Y. Papadatos – N.K.U.A.)

11:30–11:45
Coffee break

11:45–14:00
Construction of a metallurgical furnace
(N.C.S.R. "Demokritos" Team)

14:00
Light lunch & break

16:00–18:30
Educational visit to Agios Andreas
(Dr G. Gavalas – Ephorate of Antiquities of the Cyclades)

Thursday 1/10

10:00–10:45
Iron metallurgy: The manufacturing cycle of an iron artefact
(Dr M. Roggenbucke – N.K.U.A.)

10:45–11:30
Metal Production Slag Analysis
(Dr E. Godfrey – Uffington Heritage Watch / Dr Ineke Joosten – Cultural Heritage Agency of the Netherlands (RCE), Cultural Heritage Laboratory)

11:30–11:45
Coffee break

11:45–12:30
Introduction to analytical techniques in Archaeometry, Part I (XRF, XRD, SEM, OM, ICP-MS, LIA)
(Dr I. Kotzamanidi – University of Patras)

12:30–13:15
Introduction to Mössbauer Spectroscopy
(Dr I. Sannakis – N.C.S.R. "Demokritos")

13:15–14:00
Introduction to analytical techniques in Archaeometry, Part II (dating methods, sampling, GIS applications)
(Dr E. Tsakalos / Dr M. Kazantzaki – N.C.S.R. "Demokritos")

14:00
Light lunch & break

16:00–18:00
Sampling techniques, XRF analyses, observation of geological and archaeometallurgical samples
(N.C.S.R. "Demokritos" Team / Dr I. Kotzamanidi – University of Patras / Dr M. Roggenbucke – N.K.U.A.)

Friday 2/10

10:00–17:00
Experimental simulation of ancient copper production (14:00 Coffee break & light meal)
(N.C.S.R. "Demokritos" Team)

Saturday 3/10

10:00–11:30
Furnace dismantling, sampling and observation of smelting products, slags and furnace fragments; XRF analysis; evaluation and interpretation of the results
(N.C.S.R. "Demokritos" Team)

11:30–11:45
Coffee break

11:45–13:15
Evaluation and analysis of the products of experimental copper production
(N.C.S.R. "Demokritos" Team)

13:15–14:00
Classical methods and Artificial Intelligence approaches for the evaluation and categorisation of multimodal data
(Dr Hein – N.C.S.R. "Demokritos")

14:00
Light lunch & break

16:00–18:00
Preparation of presentations and guidance for completing the exercises
(N.C.S.R. "Demokritos" Team)

Sunday 4/10

Rest day

Monday 5/10

13:00–19:00
Educational visit to Seriphos

Tuesday 6/10

11:00–17:00
Educational visit to Agios Sostis
(14:00 Lunch at Agios Sostis – offered by the local community)

Wednesday 7/10

10:00–11:30
Participant presentations (preparation and presentation)

11:30–11:45
Coffee break

11:45–14:00
Participant presentations (preparation and presentation)

14:00
Light lunch

19:30
Farewell dinner for participants

Interreg
Με τη συγχρηματοδότηση της ΕΥΡΩΠΑΪΚΗΣ ΕΝΩΣΗΣ
Co-funded by the EUROPEAN UNION
Ελλάδα – Κύπρος
METAL PLACES II