



Workshop

APPLICATION OF PORTABLE ENERGY-DISPERSIVE X-RAY FLUORESCENCE TO THE ANALYSIS OF ARCHAEOLOGICAL CERAMICS

Friday, 20th June - Saturday, 21st June 2014

EXCELLENCE CLUSTER

TOPOI

Freie Universität  Berlin

VENUE:

Freie Universität Berlin
Topoi Building Dahlem
Hittorfstrasse 18, 14195 Berlin

CONVENOR:

Excellence Cluster Topoi
Research Area A-6:
Economic Space

INFO & CONTACT:

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Friday, 20th June

- 10:00 **Michael Meyer (Berlin):**
Introduction to the Topoi-projects on economic spaces
- 10:30 **Oliver Mecking (Weimar):**
Methodological developments in p-ED-XRF and comparison with other analytical techniques
- 11:00 *Coffee break*
- 11:30 **Yuval Goren (Tel Aviv):**
Analysis of clay tablets using p-ED-XRF and a portable microscope
- 12:00 **Malgorzata Daszkiewicz (Berlin) / Ewa Bobryk (Warsaw):**
Surface analysis of sherds of Nabatean pottery and experiments with gypsum moulds
- 12:30 **Gerwulf Schneider (Berlin):**
Non-destructive and destructive provenance determination using p-ED-XRF and WD-XRF
- 13:00 *Lunch break*
- 14:00 **Antonia Hofmann (Berlin):**
Evaluation and calibration of the Tracer (Bruker) for classifying pottery from the middle Euphrates in comparison with WD-XRF-results
- 14:30 **Markus Helfert (Frankfurt):**
p-ED-XRF analysis as a method in economic archaeology: some case studies of its application
- 15:00 **Anders Lindahl (Lund):**
Testing the p-ED-XRF on ceramic materials: time, space and statistical evaluation
- 15:30 *Coffee break*

16:00 **Anno Hein (Athens):**
Testing the groups - Exploring the application of p-ED-XRF in provenance studies of transport amphorae from the Eastern Aegean

16:30 **Thilo Rehren (London):**
Some comments on the application of p-ED-XRF: technical ceramics and beyond

17:00 **Elisabeth Holmqvist-Saukkonen (Helsinki):**
Protocols and strategies for ceramic analysis by pXRF: in pursuit of archaeological relevance

17:30 **Coffee break**

18:00 **Malgorzata Daszkiewicz / Rudolf Naumann / Miriam Lahitte (Berlin):**
Analysis of beads from Gala Abu Ahmed (Sudan) using p-ED-XRF and XRD

18:30 **Anne Seiler (Berlin):**
Application of p-ED-XRF in analysis of blue painted pottery from Amarna (Egypt)

Joint dinner 19:30

Saturday, 21st June

9:30 **Marcin Baranowski (Warsaw) / Gerwulf Schneider (Berlin):**
Macroscopic analysis of fabrics and p-ED-XRF in studying Moesian sigillata

10:00 **Richard E. Jones (Glasgow):**
Determination of provenances of sigillata finds in Scotland

10:30 **Malgorzata Daszkiewicz / Bernhard Heeb (Berlin):**
Classification of Bronze Age pottery from Cornesti-Iarcuri (Romania)

11:00 **Coffee break**

11:30 **Fleur Schweigart / Malgorzata Daszkiewicz (Berlin):**
Cluster analysis of chemical data vs. matrix classification by refiring: example of Imperial period wheel-thrown pottery from Olbia, Ukraine

12:00 **Hans-Joachim Mucha (Berlin):**
From univariate to multivariate clustering with application to p-ED-XRF data

12:30 **Joachim Lutz / Ernst Pernicka (Mannheim):**
Analysis of glass using p-ED-XRF

13:00 **Lunch break**

14:00 **Hans-Jörg Nüsse / Malgorzata Daszkiewicz (Berlin):**
Analyses of glass from Comariv (Ukraine) using p-ED-XRF and WD-XRF

14:30 **Philipp Hoelzmann (Berlin):**
p-ED-XRF applied to soil and sediment studies

15:00 – 16:00 **General Discussion**