

Location

Aalborg University, Esbjerg
Niels Bohrsvej 8
6700 Esbjerg

Programme

Thursday 27th September

13.00-14.00: Registration

14.00-14.15: Welcome

14.15-15.00 *Steve Weiner*: Microarchaeology: The Importance of On-Site Analysis.

15.00-15.30 *Inga Merkyte & Søren Albek*: Geophysical Mapping with Gradiometer: Two Cases from Denmark.

15.30-16.00 *S. Schwartz*: Syphilis in pre-Columbian Denmark – An paleopathological, archaeometric and historical approach

16.00-16.30 *Arne Jouttijärvi*: The Iron trade -The mapping of European smelting slag and the source determination of iron.

16.30-17.00 *Sergey Kucheryavskiy*: Hyperspectral imaging and multivariate image analysis

18.00- Official reception at Esbjerg Museum sponsored by Esbjerg Kommune

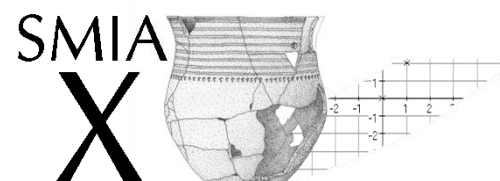
Friday 28th September

8.30-9.15 *Dr. Oliver Craig*: Hunter-gatherer diet and cuisine: recent advances in chemical analysis of pottery

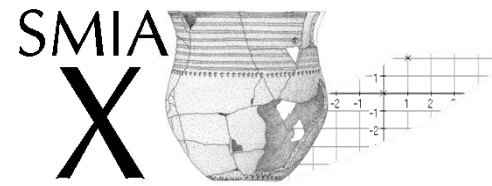
9.15-9.45 *Fiona Bradshaw*: Molecular Analysis of Plant Resin by Gas Chromatography-Mass Spectrometry (GC-MS).

9.45-10.15 *Ricardo Fernandes, Bernard Meijink, Olaf Nehlich, Andrew Millard, Marek Brabec, Pieter M. Grootes & Marie-Josée Nadeau*: Reconstructing ancient diets using a novel Bayesian approach.

10.15-10.30 Coffea/The



- 10.30-11.00 Karin Margarita Frei: Strontium isotopes in Denmark; new baselines with new possibilities.
- 11.00-11.30 Arne Jouttijärvi: From Orechalkos to Paktong- Common and uncommon copper alloys and casting techniques from the Bronze Age to the 16th century.
- 11.30-12.30 Poster Session
- Ricardo Fernandes, John Meadows, Peiter M. Grootes, Marie-Josée Nadeau: Cooking makes a difference: changes in raw fish isotopic signature ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) caused by different cooking methods.
- Ricardo Fernandes, Peiter M. Grootes, Marie-Josée Nadeau: Collagen-bioapatite radiocarbon age differences linked to reservoir effect.
- C. S. Henshilwood, K. van Niekerk & R. Rifkin: Analytical techniques: Deciphering a 100,000 Year Old Ochre Processing Workshop at Blombos Cave, South Africa.
- Hege Hollund, Miranda Jans, Matthew Collins & Henk Kars: Dental degradation: Histological characterization of post-mortem alterations in archaeological teeth.
- Arne Jouttijärvi: Changing traditions - Glass from the Roman Iron Age and the Renaissance.
- 12.30-13.30 Lunch
- 13.30-14.15 Kaare Lund Rasmussen: Trace elements in medieval human bones.
- 14.15-14.45 Lise Harvig: Prehistoric cremations seen in a bioarchaeological perspective – new scientific methods and techniques.
- 14.45-15.15 Hege Hollund, Miranda Jans, Matthew Collins & Henk Kars: Recipe for success? Testing a simple multi-proxy screening approach for genetic assay of archaeological skeletal material.
- 15.15-15.45 Marie Kanstrup: When $\delta^{15}\text{N}$ values reveal manuring practice. Empirical evidence from fieldwork, charring experiments and archaeobotanical remains.
- 15.45-16.00: Coffea/The
- 16.00-16.45 Lilian Skytte: Chemical composition of decayed soft tissue.



16.30-16.45 Steve Weiner, Natalie Reznikov and Gili Naveh: Bone and Teeth Microstructure: Searching for New Ways to Better Understand Functions in Fossils.

16.45-17.15 Bente Phillipsen: The freshwater reservoir effect in radiocarbon dating

19.00- Conference dinner

Saturday 29th September

8.30-9.15: Bent Vad Odgaard: Archaeo-geomorphology: A tool for understanding past landscape functioning

9.15-9.45 Felix Riede & Mads Bakken Tastrup: Tephra analyses of environmental and archaeological sequences in Denmark – first results and future prospects

9.45-10.15 Lars Ewald Jensen: Drillings, plant remains and GIS – Experiences from a preliminary intervention.

10.15-10.45 W. Neubauer, I. Thinks & M. Doneus: Non-invasive documentation of buried archaeological landscapes

10.45-11.00: Coffea/The

11.00-12.00: Final discussion and next SMIA

12.30-13.30: Lunch

13.30-17.00: Excursion