



9th Developing International Geoarchaeology Conference University of the Algarve Faro, Portugal

GeoArch
TransICArEHB

CONFERENCE PROGRAM

Day	Session <i>Lisbon time</i>	Talks
Mon. May 17	Opening 9:00am	Vera Aldeias Welcome
	1 9:00- 9:50am	Conor McAdams, M.W. Morley and R.G. Roberts New insights into the Pleistocene archaeology of mainland Southeast Asia: understanding tropical cave sediments through microstratigraphic site investigations and laboratory experiments
		Meghan McAllister, M.W. Morley, J.J. Tyler, F.A. McInerney and A.J. Blyth Leaf waxes & Lipid Biomarkers: reconstructing the palaeoenvironments experienced by early H. sapiens across Southeast Asia & Australia
		Natasha Nagle Sediment Fingerprinting: Identifying sedimentological characteristics and formation processes at Late Pleistocene archaeological sites in Southeast Asia and Australia

Mon.
May
17

Vito Hernandez, M. Morley, P. Duringer, J.-L. Ponche, K. Westaway, A.-M. Bacon, L. Shackleford, V. Souksavady and F. Demeter

Early Human Occupation of Tam Pa Ling, Laos: Preliminary Microstratigraphic Results

Questions & Discussion

2

10:00-
10:50am

Xiaolin Ren, D. Mo and M.J. Storzum

Climate change, landscape evolution and settlement distribution patterns in the Shuangji River valley, Central China since Upper Paleolithic

Aristeides Varis, C.E. Miller, P. Cuthbertson, A. Namen, Z. Taimagambetov and R. Iovita

Micromorphology in a survey context: insights from cave survey in South Kazakhstan

Natàlia Égüez, M. Jambriña-Enríquez, O. Seitsonen, L.G. Broderick, J. Bayarshaikhan and J.-L. Houle

Application of Compound Specific Stable Isotope Analysis in sediments for tracing environmental changes. A 4000 BP multiperiod habitation site in the Züünkhongai region (Mongolia)

Yashaswini Jayadevaiah, U. Misra,

A. K. Basantray, C. Athul, A. Mandal and K. Patil

Preliminary findings of the micro-gravity study at Śringaverapura, India: a 2000-year-old water harvesting tank system

Questions & Discussion

3

11:00-
11:50am

Sally Hoare, R.M. Albert, I.G. Stanistreet, H. Stollhofen, S.M. Rucina and J.A.J. Gowlett

New archaeological sites from Kilombe Caldera, Kenya: site formation and palaeoenvironmental context of hominin occupation in a highland setting

Mon. May 17		<p>Michael B. Toffolo Geoarchaeology of Pleistocene open-air sites in the central interior of South Africa</p> <p>Kristen Wroth, B. Bousman, C. Tribolo, L. Rossouw, C.E. Miller and M. Toffolo Micromorphology and phytolith analysis from the Middle-to-Later Stone Age site of Lovedale, Free State, South Africa</p> <p>Aviad Agam, T. Rosenberg-Yefet, L. Wilson, M. Shemer and R. Barkai Flint Type Analysis from Late Acheulian Jaljulia (Israel), and Possible Implications for the Origins of the Levallois Method</p> <p>Questions & Discussion</p>	Mon. May 17	<p>5 3:00-3:40pm</p> <p>Martin Arriolabengoa, J. Ríos-Garaizar, J. Aranbarri, A. Arranz-Otaegui, M. A. Medina-Alcaide, I. Intxaurbe, O. Rivero and D. Garate Final MIS 3 to early MIS 1 sedimentary sequence from Atxurra archaeological site (northern Iberian Peninsula): An approach from micromorphological and mineralogical analysis</p> <p>Diana Marcazzan, C.E. Miller, S.M. Mentzer and M. Peresani Geoarchaeological investigation of the Middle to Upper Paleolithic anthropogenic features in Fumane Cave (Italy)</p> <p>Andrea Zerboni, E.E. Spinapolice, M.C. Meyer, S. Talamo, G.S. Mariani, L.A. Gliganic, L. Buti, M. Fusco, M.P. Maiorano, S. Silvestrini, R. Sorrentino, A. Vazzana, M. Romandini, A. Fiorini, A. Curci and S. Benazzi Site-forming processes and age of the Mid-Upper Palaeolithic sequence at Uluzzo C Rock Shelter (Apulia, Southern Italy)</p> <p>Questions & Discussion</p>
	<p>4 2:00-2:50pm</p> <p>Alyssa Victoria Pietraszek, Y. Zaidner and R. Shahack-Gross Use of Fire and Space at Unit V of the Middle Paleolithic Open-Air Site at Neshar Ramla, Israel</p> <p>Lucy Wilson Seasonal territory use in the Middle Palaeolithic of the Vaucluse, southern France.</p> <p>Javier Davara, A.V. Herrera-Herrera, M. Jambrina-Enríquez, C.M. Hernández, B. Galván, and C. Mallol Lipid biomarker analysis of contextualized lithic remains from El Salt Middle Palaeolithic site (Alicante, Spain)</p> <p>Lucia Leierer, A. Carrancho Alonso, L. Pérez, Á. Herrejón Lagunilla, A.V. Herrera-Herrera, R. Connolly, M. Jambrina-Enríquez, C. M. Hernández Gómez, B. Galván and C. Mallol It's getting hot in here – Microcontextual study of a potential pit hearth at the Middle Paleolithic site of El Salt, Spain</p> <p>Questions & Discussion</p>	<p>Key-note 3.45-5:00pm</p> <p>Takis Karkanas Sedimentary structures and fabrics: what we are overlooking</p>		
			<p>Ice-breaker 5:00-6:00pm</p> <p>Session in Gather.town</p>	
			<p>6 9:00-9:50am</p> <p>Isaac Ogloblin Ramirez, E. Galili, R. Be'eri, D. Golan, M. Krakovsky, A. Dayan, D. Shalem and R. Shahack-Gross Heated mud bricks from the submerged Neolithic settlements of the Southern Levant.</p>	<p>Tue. May 18</p>

Tue. May 18		<p>Jos Kleijne MicroTRASH: first microscopic insights into Later Neolithic Northern European midden practices</p> <p>Rachel Kulick, D. Lewis, C. Atkins, F. Berna, K. Fisher, C. Kearns and S. Manning Geoarchaeology at Bronze Age Maroni Vournes, Cyprus: Micromorphology and Palaeolandscapes Analysis</p> <p>Federico Polisca, C. Nicosia, C.E. Miller, B. Ligouis, F. Gonzato and C. Mangani Geoarchaeology of daily life: insights on Bronze Age lifeways from the waterlogged site of Oppeano 4D (Verona, Italy)</p> <p>Questions & Discussion</p>	Tue. May 18	8 11:00- 11:50am	<p>Barbora Wouters and P.L.K. Trant Geoarchaeological research in Ribe's Northern Emporium, Denmark – a micromorphological and geochemical study of a highly stratified urban context, AD 700 – 900</p> <p>Mario Gutiérrez-Rodríguez, M.A. Lechuga Chica, M.I. Moreno Padilla and J.P. Bellón Ruiz Multiscalar spatial and geoarchaeological analysis of the main Roman road in Hispania. The Via Augusta where it passes through the Ianus Augustus (Mengibar, Spain)</p> <p>Enrique Fernández-Palacios, C. Rodríguez, C.M. Hernández, A.V. Herrera-Herrera, M. Jambrina-Enríquez, J.F. Navarro, E. Marrero, C. E. Miller and C. Mallo Belmeco Cave: An aboriginal faecal deposit on La Palma (Canary Islands)</p> <p>Yannick Devos Conquering the Darkness: 20 years of geoarchaeological research on the Dark Earth from the historical centre of Brussels (Belgium)</p> <p>Questions & Discussion</p>
	7 10:00- 10:50am	<p>Guido Stefano Mariani, F. Brandolini, S. Naitza and R. T. Melis Landscape spatial occupation patterns and resource availability in Nuragic Sardinia (Italy): a glimpse of Bronze Age land use strategies.</p> <p>Matthieu Giaime, H.M. Jol, Y. Salmon, A. Abu Hamed, G.I. López, L. Bergevin, E. Sailer-Haugland, P. Bauman, A. McClymont and M. Artzy Late-Holocene coastal changes and their effects on settlement/anchorage patterns on Tel Akko (Israel)</p> <p>Laura Tomé, M. Jambrina-Enríquez, N. Égüez, A.V. Herrera-Herrera, A. Blanco-González and C. Mallo Early Iron Age Olive Oil Production in Iberia? Microscopic and Molecular Geoarchaeology at Cerro de San Vicente Village (Salamanca, Spain)</p> <p>Questions & Discussion</p>			9 2:00- 2:50pm

Tue. May 18		<p>Mareike Stahlschmidt and V. Aldeias A geoarchaeological perspective on ancient sediment DNA from archaeological contexts</p> <p>Irini Sifogeorgaki Site Formation Processes at sandstone and quartzite rockshelters: a geoarchaeological review</p> <p>Questions & Discussion</p>
	Poster session 3:00-4:00pm	<p>All posters Session in Gather.town</p>
Wed. May 19	10 9:00-9:50am	<p>Katarína Adameková, J. Petřík, L. Petr, P. Kočár, J. Bartík, and T. Chrástek Man and a river in the Middle Ages: a unique sequence of floods, human habitation and soil formation on the floodplain of the river Morava</p> <p>Noemí Silva-Sánchez, M. Fernández Ferreiro, E. López-Salas, T. Kinnaird, S. Turner and J. C. Sánchez Pardo A dialog between nature and texts. Diachronic evolution of a monastic landscape. A novel application at Samos Abbey (NW Spain)</p> <p>Daniel Fallu, P. Zhao and A. Brown Geochemical Signatures of Terrace Construction and Cultivation: Preliminary Results of the TerrACE Project</p> <p>Tiziana Matarazzo and G. Boenzi Micromorphological analysis of agricultural features sealed by several eruptions of the Phlaegrean volcanic system (Campi Flegrei) in Southern Italy</p>
		<p>Questions & Discussion</p>
Wed. May 19	11 10:00-10:50am	<p>Joeri Kaal, M. Suárez Abelenda, D. Stump and C. Ferro-Vázquez Multiproxy geoarchaeological study of agricultural sediment traps in the Iron Age ruins of Engaruka (Tanzania)</p> <p>Carol Lang, T. Kabora, C. Ferro-Vázquez and D. Stump Geoarchaeological study of the viability of an abandoned agricultural landscape to once again become productive. The case of Engaruka (N Tanzania)</p> <p>Gianni Gallelo, C. Ferro-Vázquez, Á. Hernández Sánchez, M. Ramacciotti, S. Chenery, C. Lang, S. Thornton-Barnett, T. Kabora, M. E. Hodson, A. Morales and D. Stump Tracking sedimentary processes through REE geochemistry at an agricultural Iron Age site in N Tanzania.</p> <p>Tabitha Kabora, D. Stump and J. Wainwright Modelling sediment transport and accumulation in archaeological sites</p> <p>Questions & Discussion</p>
	12 2:00-2:50pm	<p>Luc Vrydaghs, M.J. Hodson, R. Hermans and Y. Devos Do phytoliths become auto-fluorescent upon heating?</p> <p>Magnus Haaland, S.M. Mentzer, E.C. Velliky and C.E. Miller Characterizing microscopic ochre fragments at Middle Stone Age sites: implications for evaluating in-situ ochre processing and use</p> <p>Virginie Renson, H. Neff, A. Martínez-Cortizas, J.P. Blomster, D. Cheetham, M. Glascock Using isotopes of lead and strontium to source ceramics – Application in Mesoamerican context</p>

Wed. May 19	Andrew Zipkin, M. Hipondoka, P. Le Roux and P. Wiessner Radiogenic strontium isoscape construction in the Kalahari and Namib deserts for provenience studies of ostrich eggshell ornaments
	Peter Mears, C. Brown and L. Wilson A growing role for statistics in lithic archaeology
	Nicholas Crabb, C. Carey, A. Howard, R. Jackson, M. Brolly and N. Burnside Remote Sensing for the Reconstruction and Mapping of Archaeological Resources in Alluvial Environments
	Questions & Discussion
13 3:00- 3:50pm	Manuel Arroyo-Kalin, H.P. Lima, M.C.P. Mariano, E.G. Neves, D.K. Wright The Micromorphology of Amazonian Dark Earths - a comparative perspective
	Kelly Brandão, L.P. Furquim, X.S. Villagran and E.G. Neves Initial micromorphological and archaeobotanical data for the monticular complex of the southwestern Amazon - Sol de Campinas do Acre
	Justin Holcomb and L.-M. Shillito Microarchaeology of the Younger Dryas Cold Event in the Northern Great Basin, USA
	Teresa Matheson, F. Rahemtulla and F. Berna Investigating Site Formation Processes at EjTa-4 on Calvert Island, British Columbia: Results from a Microstratigraphic Study of Excavation Units 12 and 10/15

Wed. May 19	Don Butler, B.A. Potter and J.D. Reuther Geoarchaeology of Paleo-Critical Zones Expressed in the Mead Loess-Paleosol Sequence, Central Alaska
	Questions & Discussion
Closing 4:00- 4:30pm	Lucy Wilson And in the end... Where we've been, and where we go from here
Posters & final gathering 4:30pm	All posters Session in Gather.town

List of posters

Opeyemi Adewumi, L. Oosterbeek, M.Q. Ferreira, J.P. Vallverdú and N.J. Almeida
Sequencing deposits and human occupations at the Early Neolithic site of Salvador (Abrantes, Portugal): Preliminary micromorphological assessment.

Phyllida Bailey, M. Azzari, I. Haynes, P. Liverani, C. Rosa, L.-M. Shillito
The environmental impact of political, military and religious changes in the Eastern Caelian.

Alvise Barbieri, M. Carvalho, P. Horta, R. Matias, D. Maio, V. Aldeias, N. Bicho, J. Cascalheira
Tracing the primary context of Neanderthal occupations within a complex karst system – Preliminary geoarchaeological results from Escoural (Alentejo, Southern Portugal).

Stefano Costanzo
Archaeological landscapes and Holocene records of climate changes in the Kassala Region (Eastern Sudan): kickstart research and future perspectives.

Ada Dinckal, E.C. Fisher, A.I.R. Herries and C.W. Marean
Mapping Magnetism: Geophysical Modelling of Stratigraphic Features at Pinnacle Point 5-6 North, South Africa.

Francesca Glanville-Wallis and M. Arroyo-Kalin
Amazonian Dark Earths: comparison based on Enrichment Factors and Geo-accumulation Indices.

Daniela de Matos and C.E. Miller
Site Formation Processes at Leba Cave, Southwest Angola.

Sarah Ann Meinekat, C.E. Miller and K. Rademaker
Micro-contextual analysis of Terminal Pleistocene and Early Holocene living space and anthropogenic features in Quebrada Jaguay-280, Peru.

Naima Mohamed-Rodríguez, N. Mohamed-Rodríguez, A.V. Herrera-Herrera, R. Connolly, L. Leierer and C. Mallo
Application of the QuEChERS analytical method to the analysis of real samples from a Neanderthal site.

Sahar Mohammadi, L. Lisá, L. Šmejda, J. Horák, P. Král, P. Goláňová, M. Hajnalová, A. Bajer, P. Moska, J. Rohovec, J. Jan Kysela and R. Kočárová
A Pedological Approach to the Study of buried Soils as a Contribution to the climatic and human-induced erosion activity; La Terrasse, Bibracte oppidum.

Femke H. Reidsma, I. Sifogeorgaki, A. Ada Dinckal, H. Huisman, M.J. Sier, B. van Os and G. Dusseldorp
Integrating geoarchaeological techniques to reveal the invisible stratigraphy at Umhlatuzana rockshelter, South Africa - a grid-based approach.

Jordi Revelles and M. Ghilardi
Reconstructing the Holocene palaeoenvironmental evolution of Corsican coastal wetlands based on palaeobiological proxies.

Wiktorija Sagan, M. Arroyo-Kalin and S. Rostain
Raise it up and wash it all away: Micromorphological and sedimentological analysis of pre-colonial raised fields from Grand Macoua and Savanna Bois Diable, French Guiana

Flora Schilt, V. Aldeias, J.C. Thompson, D.K. Wright, P. Kaliba
A micro-contextual approach to pyrotechnologies of Middle and Later Stone Age foragers in central Africa. Presenting the new MicroAsh project.

Mara Schumacher
Invisible floors – Investigating domestic occupation surfaces at Olynthos through micromorphology and multi-elemental geochemistry.

Carlos D. Simões
The SEARCh project: investigating the coastal adaptations of prehistoric foragers and farmers with microarchaeological approaches.

Irina Vishnevskaya, A.M. Khatsenovich, N.G. Soloshenko, T.G. Okuneva, D. Bazargur, A.M. Klementiev, E.P. Rybin and J.W. Olsen
Preliminary data on hunting strategies of Paleolithic people in central Mongolia.

Maurizio Zambaldi, D.E. Angelucci, F. Negrino
Stratigraphy and formation processes of the Pleistocene deposit at Balzi Rossi Museo site (Italy).