

## SAFA 2018 PANAFRICAN SYMPOSIA

### **PA01: BOUNDARIES AND BLURRED LINES: TECHNOLOGICAL CHANGE AND BEHAVIOURAL EVOLUTION IN THE AFRICAN PLIO-PLEISTOCENE**

Organizers: Hilary DUKE & Sonia HARMAND

Abstract: The period from the Pliocene to the Middle Pleistocene in Africa witnessed significant changes in hominin knapping abilities. These include, but are not limited to, the earliest stone tools (>3.3 Ma), shaped forms (e.g., bifaces) (<1.7 Ma), and prepared-core flake production (<500 Kya). Changes in lithic technologies have implications for the evolution of hominin cognition and subsistence behaviour, reflecting adaptation to groups' changing landscapes and social environments. Technological change is often implicitly presented as a series of spatio-temporally bounded lithic industries, separated and defined by the appearance of new artifact forms or knapping strategies. These boundaries structure theories about hominin behavioural and cognitive evolution. In practice, most archaeologists recognize the diversity in lithic technologies throughout the past, blurring the lines of such boundaries. The reality of technological change involves fluctuations in the frequencies of both new and old knapping methods and techniques. The goal of this symposium is to discuss technological diversity during major inflection points in the Plio-Pleistocene lithic record across different regions of Africa. By doing so, we hope to foster discussion among archaeologists regarding how technological diversity might impact current theories of hominin behavioural and cognitive evolution.

*TUESDAY MORNING, starting 8.30 a.m.*

**PA0101 Extinct hominin vs extant primate technologies: an inter-species comparison**  
Sonia HARMAND

**PA0102 'Knapper's Delight': A remarkable case of stone tool multi-function and re-use at Lomekwi 3 (3.3 Ma)**  
Nicholas TAYLOR, Adrian ARROYO, Sonia HARMAND, H  l  ne ROCHE, Michel BRENET

**PA0103 Sources of insight: Raw material selectivity & hominin cognition at the origins of stone technology**  
Evan WILSON, Sonia HARMAND

**PA0104 Early Oldowan raw material selection and transport at Nyayanga, Kenya**  
Emma FINESTONE, Thomas PLUMMER, Jonathan REEVES, David BRAUN, Peter DITCHFIELD, Elizabeth WHITFIELD, Laura BISHOP, Thomas VINCENT

**PA0105 Oldowan transport and use of stone resources: Insights from Kanjera South**  
Jonathan REEVES, David BRAUN, Thomas PLUMMER, Emma FINESTONE, Peter DITCHFIELD, Laura BISHOP

**PA0106 Sourcing lithic raw materials through petrography in the Greater Serengeti Region**  
Julien FAVREAU, Matthew ABTOSWAY, Robert William BIRD, Mariam BUNDALA, Pastory BUSHOZI, Siobh  n CLARKE, Jamie INWOOD, Makarius ITAMBU, Fergus LARTER, Patrick LEE, Neduvo M  LLEL, Aloyce MWAMBWIGA, Vinay RAJDEV, Maria SOTO, Laura TUCKER, Julio MERCADER

**PA0107 Modeling and quantifying stone tool production patterns in the Oldowan and other industries**  
Jay S. RETI

**PA0108 Technological variability and the early Acheulean at Kokiselei, Kenya: Implications for hominin cognition**  
Hilary DUKE, Sonia HARMAND

**PA0109 Technological trends in the Earlier Stone Age of Wonderwerk Cave: Current questions and state of research**  
Michael CHAZAN

**PA0110 Identifying Behavioral variability in stone tool production: The LCT assemblage of Garba I (Melka Kunture, Ethiopia)**  
Sol S  NCH  Z-DEHESA GAL  N, Jacques PELEGRIN, Margherita MUSSI

**PA0111 The long Early to Middle Stone Age transition (ESA/MSA)**  
Larry BARHAM

## SAFA 2018 PANAFRICAN SYMPOSIA

### **PA02: INTEGRATED ARCHAEOLOGICAL AND PALEOENVIRONMENTAL RECORDS**

Organizers: Emma LOFTUS & Michaela ECKER

Abstract: African habitats, typically warm and with large annual fluctuations in moisture, rarely provide the conditions suitable for the preservation of organic proxy archives of climate and environment. Consequently, some of the best repositories for long-term palaeoenvironmental data on the continent are archaeological sites, a situation that has fostered close working relationships between the archaeological and palaeoenvironmental communities. Palaeoenvironmental applications of methodologies such as traditional and compound-specific stable isotope analysis; charcoal, pollen and phytolith identification; and faunal biogeography, are frequently “archaeologically-driven”, therefore, and are routinely included in archaeological projects from the planning stage. This session will present recent studies of integrated palaeoenvironmental and archaeological data from various regions of Africa to address particular questions about past societies and encourage cross regional comparison. Topics include: the influence of environmental and climate shifts on past human populations; the role of climate seasonality in shaping behaviour; the effects of human behaviour on local and regional environments, and the regional-scale patterning between ecosystems and material culture.

*TUESDAY ALL DAY, starting 8.30 a.m.*

**PA0201 Reconstructing agricultural footprints using isotope analysis of charred crop remains**  
Amy STYRING, Katharina NEUMANN

**PA0202 Anthropogenic Impacts and Climate Change during the Holocene Settlement of the Congo Basin**  
Christophe KIAHTIPES, Hans-Peter WOTZKA, Barbara EICHHORN

**PA0203 Straight from the cow’s mouth: Investigating herd management at Great Zimbabwe (AD1200-1700)**  
Michelle HOUSE, Shadreck CHIRIKURE, Judith SEALY

**PA0204 Cultivated landscapes - Land-use and cultural landscape development in West African savannas**  
Alexa HÖHN

**PA0205 Calibrating the relationship between coprophilous fungal spores and human activity in East Africa**  
Lore GOETHALS, Mieke VERBEKEN, Veerle LINSEELE, Dirk VERSCHUREN

**PA0206 Current mollusk data in the identification of shellfish clusters of Songon (South Côte D’Ivoire)**  
N’Doua Etienne ETTIEN, Kouakou Siméon KOUASSI

**PA0207 Challenges with biomarker analysis of Hominin paleohabitats**  
Robert PATALANO, Matthew ABTOSWAY, Robert William BIRD, Mariam BUNDALA, Pastory BUSHOZI, Siobhan CLARKE, Julien FAVREAU, Jamie INWOOD, Makarius ITAMBU, Fergus LARTER, Patrick LEE, Neduvoto MOLLEL, Aloyce MWAMBWIGA, Vinay RAJDEV, Maria SOTO QUESADA, Laura TUCKER, Julio MERCADER

**PA0208 Microbotanical proxies: The ‘Stone Tools, Diet, and Sociality’ reference collection at the University of Calgary**  
Julio MERCADER, Matthew ABTOSWAY, Robert William BIRD, Mariam BUNDALA, Pastory BUSHOZI, Siobhan CLARKE, Julien FAVREAU, Jamie INWOOD, Makarius ITAMBU, Fergus LARTER, Patrick LEE, Neduvoto MOLLEL, Aloyce MWAMBWIGA, Robert PATALANO, Vinay RAJDEV, Maria SOTO QUESADA, Laura TUCKER

**PA0209 Scales of impact: The human dimensions of landscape change from the Paleolithic to Iron Age, Malawi**  
David WRIGHT, Jessica THOMPSON, Sarah IVORY

**PA0210 Archaeological wood charcoal as a tool for reconstructing Late Pleistocene and Holocene environments in SW Ethiopia**  
Katharina NEUMANN, Alemseged BELDADOS, Steven BRANDT, Sebsebe DEMISSEW, Barbara EICHHORN, Elisabeth HILDEBRAND, Ralf VOGELSANG, Melaku WONDEFRAH

**PA0211 Using spatial and environmental analyses in southern African bioarchaeology**  
Michelle E. CAMERON

**(PA02 continues on next page)**

## SAFA 2018 PANAFRICAN SYMPOSIA

### **PA02 (CONTINUED): INTEGRATED ARCHAEOLOGICAL AND PALEOENVIRONMENTAL RECORDS**

*LUNCH BREAK; Session resumes at 14.00 (2 p.m.)*

**PA0212 New chronology and palaeoenvironmental reconstruction of Kathu Pan, South Africa**

Vasa LUKICH, Naomi PORAT, Francesco BERNA, Sharon COWLING, Michael CHAZAN

**PA0213 Direct evidence for C4 grasslands from the ~1 my old bone bed at Cornelia-Uitzoek, Free State Province, South Africa**  
Lloyd ROSSOUW, James BRINK, Daryl CODRON

**PA0214 Predicting past ecosystems of southern Africa using pollen data and machine learning – implications for archeology**  
Magdalena K. SOBOL, Louis SCOTT, Sarah A. FINKELSTEIN, Graciela GIL ROMERA, Eugene MARAIS

**PA0215 Aterian occupation of a humid Sahara during MIS 5: evidence from shoreline deposits of a megalake in Southern Tunisia**  
Nick DRAKE, Nabih AOUADI-ABDELJAOUAD, Nabil GASMI, Ian CANDY, Lotfi BELHOUCHE, Jean-Luc SCHWENNINGER, David PEAT, Helael MEKKI, Mondher MHAMDI, Nick BARTON

**PA0216 A paired MIS 2 archaeological & palaeoenvironmental record from Klipfonteinrand rock shelter, Western Cape, South Africa**

Alex MACKAY, Andrew CARR, Caroline CARTWRIGHT, Marika A. LOW, Mareike STAHLSCHEMIDT, Teresa E. STEELE

**PA0217 Later Pleistocene behavioral & paleoenvironmental variability at Boomplaas Cave: Fauna & lithic evidence**  
Tyler FAITH, Justin PARGETER

**PA0218 Palaeoenvironmental information from  $\delta^{13}C$  and  $\delta^{18}O$  of ostrich eggshell from Pockenbank and Apollo 11, southern Namibia**

Judith SEALY, Julie LUYT, Barbara EICHHORN, Elena HENSEL, Götz OSSENDORF, Isabell SCHMIDT

**PA0219 Oxygen isotopes in mammalian enamel: an aridity indicator in the South African winter and year-round rainfall zone**  
Julie LUYT, Judith SEALY

**PA0220 Integrated stable isotope analysis and archaeological excavation**

Michaela ECKER, Michael CHAZAN, James BRINK, Liora K. HORWITZ, Julia LEE-THORP

## SAfA 2018 PANAFRICAN SYMPOSIA

### **PA03: LIFE BY THE WATER: STONE AGE ARCHAEOLOGY ALONG AFRICAN COASTS, LAKESHORES, AND RIVERS**

Organizer: Amanuel BEYIN

Abstract: Important milestones in human evolution, such as brain expansion and the emergence of modern behavior are believed to have been fueled by hominin exposure to aquatic resources. Moreover, coastal landscapes are considered to have played a vital role in facilitating hominin dispersal out of Africa, as well as population movements and technology exchange in more recent times. As a landmass hosting numerous lakes and rivers, and surrounded by major water bodies, Africa presents immense opportunities to examine the role of shoreline environments (riverine, coastal and lacustrine settings) in hominin evolution and movements. This symposium aims to bring together archaeologists and paleo-scientists whose research contributes new theoretical synthesis, methodological insights, and archaeological, chronological and paleoclimatic datasets related to shoreline adaptations in various regions of Africa during the Pleistocene and early Holocene periods.

*TUESDAY AFTERNOON, starting 14.00 (2.00 p.m.)*

- PA0301** **Earliest architectural features in Sudan: complex hunter-gatherers' built spaces**  
Elena A.A. GARCEA
- PA0302** **Bridging the 'Kansyore Gap': Continuous occupation and changing subsistence strategies at Namrundiri A and Namaboni B, eastern Uganda**  
Mica JONES
- PA0303** **The role of the West African coast in modern human dispersals: Emerging evidence & associated hypotheses**  
Khady NIANG, Matar NDIAYE
- PA0304** **Soucouth shell mound (Saloum Delta, Senegal) forty-three years after (1973-2016). New cultural data in Senegambia**  
Moustapha SALL, Alioune DEME
- PA0305** **Holocene human presence around Lac Tumba (DRC) and raw material procurement in the forested Inner Congo Basin**  
Els CORNELISSEN, Johannes PREUSS, Hans-Peter WOTZKA
- PA0306** **Exploring Later Stone Age shellfishing and local climate shifts on the South African west coast**  
Emma LOFTUS, Julia LEE-THORP, Judith SEALY
- PA0307** **Shellfishing at Klipdrift Cave during the Oakhurst, ca. 12 – 10 ka, in the southern Cape coast, South Africa: human predation pressure, dietary and climatic implications**  
Kokeli RYANO, Karen L. van NIEKERK, Christopher S. HENSHILWOOD, Sarah WURZ
- PA0308** **The palaeoenvironmental context of human occupation around East London, South Africa during MIS 5e**  
Peter MORRISSEY, Jasper KNIGHT, Dominic STRATFORD
- PA0309** **Prehistoric settlements in the Kilwa basin (Coastal Tanzania): Implications for hominin exploitation of the East African coast**  
Amanuel BEYIN, Kokeli P. RYANO

## SAFA 2018 PANAFRICAN SYMPOSIA

### **PA04: MOVING BEYOND ‘MOSAICS’: BUILDING HIGH RESOLUTION MODELS FOR THE SPREAD OF FOOD PRODUCTION IN AFRICA**

Organizer: Steven GOLDSTEIN

Abstract: The spread of food production throughout Africa occurred against the backdrop of major climatic, socioeconomic, and demographic transitions. These factors helped structure the cultural and economic diversity that is a hallmark of many parts of the continent. At the same time, inter- and intra-regional variability can lead to the dismissal of conflicting lines of evidence and muddy archaeological signatures as artifacts of biological and cultural “mosaics.” Several models for these mosaics are useful as macro-scale descriptive devices, but more can be done to explain the precise strategies, interactions, and circumstances that facilitated the spread of food production in specific regional and temporal contexts. This session will explore how the application of new methods, approaches, and theories are contributing to more refined and localized models for the idiosyncratic spread of herding and farming into various regions. Papers present new field and laboratory findings with the goal of developing contextually-specific, hypothesis-driven models for the spread of people, plants, and animals. By bringing together case studies from across Holocene Africa, we hope to build a more nuanced understanding of the forces that shaped dynamic social change at the local level as a means to exploring overarching patterns of African diversity.

*TUESDAY MORNING, starting 8.30 a.m.*

**PA0401 Environmental drivers for trajectories of early food production in southeastern Africa**

Steven GOLDSTEIN, Andrea PICIN, Alison CROWTHER, Anneke JANZEN, Maggie KATONGO, Nick KATANEKWA, Nicole BOIVIN

**PA0402 Herders & livestock choice in Sahelian West Africa**

Abigail STONE

**PA0403 Human remains & human responses: bioarchaeological & mortuary perspectives on Holocene population dynamics in the Turkana Basin**

E SAWCHUK, S GOLDSTEIN, K GRILLO, E HILDEBRAND

**PA0404 Osteoarchaeological & stable isotope analysis of Kansyore hunter-gatherer & Urewe farmers remains from the northern shores of Lake Victoria Nyanza, eastern Uganda**

Ruth TIBESASA, Gabriele KRUGER, G HALL, C ASHLEY

**PA0405 Exploring dairying & dietary change in the Holocene using proteomics & stable isotope analysis**

Madeleine BLEASDALE, Steven GOLDSTEIN, Jessica HENDY, Nicole BOIVIN, Patrick ROBERTS

**PA0406 Ancient wildebeest distributions & migrations in Holocene Kenya in the context of pastoral expansion**

Anneke JANZEN, Nicole BOIVIN, Patrick ROBERTS

**PA0407 Diets of pre-colonial populations from the Dogon region in Mali: A question of choice or availability**

Nonhlanhla DLAMINI, Anne MAYOR, Judith SEALY

**PA0408 What explains the late spread of pastoralism in West Africa?**

Roger BLENCH

**PA0409 Environment & human occupations in central Ivory Coast in the Neolithic**

Kouadio René BOUADI

**PA0410 An archaeology of the ‘natural’: Historical landscapes of the Sandawe homeland, central Tanzania**

Matthew KNISLEY

**PA0411 Limited metal use in a Kenyan Pastoral Neolithic site: Was the limitation intentional?**

Diane GIFFORD-GONZALEZ

**PA0412 The end of hunting & gathering in the Kasitu Valley of northern Malawi**

Jessica THOMPSON, Alison CROWTHER, J MERCADER, M WELLING, A ZIPKIN, F SCHILT, E GOMANI-CHINDEBVU

**PA0413 Tracing the introduction of domestic caprines to Southern Africa using palaeoproteomics**

Louise LE MEILLOUR, Antoine ZAZZO, Sophie CERSONY, A MARIE, M LEBON, J LESUR, D PLEURDEAU, S ZIRAH

**PA0414 Socioeconomic nuances of early herding economies in Namaqualand, South Africa: A holistic approach**

Courtney HOPPER, Genevieve DEWAR, Jayson ORTON

**PA0415 News on Iron Age foodways in the Congo Basin**

Hans-Peter WOTZKA, B EICHHORN, K NEUMANN

## SAFA 2018 PANAFRICAN SYMPOSIA

### **PA05: MONUMENTALITIES IN AFRICA: DIVERSE FORMS, CONTEXTS, AND DESIGNS**

Organizers: Elisabeth HILDEBRAND, Luc LAPORTE, Innocent PIKIRAYI

Abstract: Recent global archaeological and ethnoarchaeological research has highlighted increasing diversity in the forms of monumentality. In Africa, these include colossal structures such as stelae and pyramids that first stimulated archaeological inquiries about monumentality, but they also include elaborate cemeteries, spaces reserved for ritual, outstanding natural landmarks such as large trees or inselbergs used for communal functions or ceremonies, and large midden mounds resulting from long-term occupation. Studies of these sites have shown that monumental expression has developed in various economic contexts, including sedentary farming, mobile pastoralism, and hunting and gathering. Such diversity in form and context suggests that monumentality may arise from a wide array of designs and motives. In certain situations, monumental constructions may be a means for emerging elites to rally communities, diffusing tensions associated with social differentiation. Elsewhere, building monuments specifically to commemorate individuals, narratives, or ideals may ultimately catalyze other, unforeseen social developments. This symposium explores the rich array of monumental forms found across Africa – from rock art to megaliths, enclosures, palaces, or burial grounds, for example – through ethnoarchaeological and archaeological observation. Beyond simply documenting monumentality, papers in this symposium examine the social and economic circumstances in which it developed, and the possible motives of its creators.

*THURSDAY MORNING & EARLY AFTERNOON, starting 8.30 a.m.*

- PA0501 Diversity of megaliths in sub-Saharan Africa**  
Luc LAPORTE
- PA0502 Contexts, techniques & uses of precolonial fortifications: Case study in eastern Senegal**  
Jacques AYMERIC NSANGOU
- PA0503 First archaeological data from peripheral sites of the ruins of Loropéni, SW Burkina Faso**  
Hantissié Hervé FARMA
- PA0504 Standing stones, carved wooden posts, plants, sexual symbolism & land awareness in Faro & Grassland, Cameroon**  
Narcisse Santos TCHANDEU

- PA0505 A Nok Culture burial site? The connection between terracotta figurines and “stone-pot” features.**  
Gabriele FRANKE
- PA0506 Are Nok figures part of burial rituals?**  
Tanja MAENNEL
- PA0507 West African figurines in their archaeological contexts**  
André Luiz R. F. BURMANN
- PA0508 First monumental tumulus of the royal Cemetery of Kerma (Sudan, 2050 BC)**  
Matthieu HONEGGER
- PA0509 An ancient basilica: Monumental architecture at Beita Semati, Ethiopia**  
Michael J. HARROWER, Ioana A. DUMITRU, Cinzia PERLINGIERI, Jessica LAMONT
- PA0510 Megalithic stele sites of the Gedeo Zone, Southern Ethiopia**  
Andrew DUFF, Ashenafi Girma ZENA, Addisalem Melesse SUGAMO, John WOLFF, M Steven SHACKLEY
- PA0511 Monuments on a moving frontier: Pillar sites as fixed landmarks in a dynamic landscape around Lake Turkana, Kenya**  
E HILDEBRAND, Katherine GRILLO, Elizabeth SAWCHUK, Anneke JANZEN, Steven GOLDSTEIN, Susan PFEIFFER
- PA0512 Territoriality & contact between rock-painting & rock-engraving traditions in the Damaraland of northeast Namibia**  
Peter BREUNIG, J BEHRINGER, M FELS, J MAIDHOF
- LUNCH BREAK; Session resumes at 14.00 (2 p.m.)*
- PA0513 Bolt-holes, water structures & hill forts: Monumentality in small-scale societies in eastern & southern Africa**  
Valence Valerian SILAYO, Innocent PIKIRAYI
- PA0514 Monumentality, political power & the Nambya state of north-western Zimbabwe**  
Plan SHENJERE-NYABEZI, Gilbert PWITI
- PA0515 Monumentality beyond Great Zimbabwe**  
Innocent PIKIRAYI
- PA0516 A GIS-based study of the 200-year-old structures in southern Gauteng, South Africa**  
Kate CROLL

## SAFA 2018 PANAFRICAN SYMPOSIA

### **PA06: RETHINKING THE PLACE OF ‘GLOBAL’ COMMODITIES IN THE AFRICAN PAST: TOWARDS A CONTINENTAL DIALOGUE**

Organizers: Shadreck CHIRIKURE & Abigail MOFFETT

Abstract: Within changing times and contexts, the African archaeological record is replete with examples of objects that were produced locally in different regions but ended up dispersed ‘globally’. Earning the status of globally shared commodities, objects such as cowries, glass beads, cloth, salt, brass, ‘slaves’ and among others gold, lubricated localised and global forms of interactions. An exploration of the biography of these objects exposes the changing values embedded in their use across different regions. A key question then becomes: was the use of such ‘global objects’ and contribution to society uniform across Africa? For example, were glass beads and cowries always high-status objects that underpinned elite power? Furthermore, what was the consequence of the interchange of values associated with the distribution and use of these ‘global’ commodities in local contexts at various levels of socio-political organisation from kin based groups to states and empires? And perhaps even more difficult, how do we define ‘global’ and is our conception of ‘global’ similar to that of communities that used the objects? Answers to these questions shift attention to rethinking the biography and valuation of ‘global’ commodities that featured prominently in the political economy of past African societies. This session aims to bring together contributions from different parts of Africa, to forge comparative insights on the use, valuation and impact of ‘global’ commodities in societies at various levels of socio-political organisation. It is anticipated that the session will generate dialogue on the changing roles of ‘global’ objects, from context to context, and region to region.

*MONDAY MORNING, starting at 8.30 a.m.*

- PA0601** **When the local becomes ‘global’: objects, networks & commodities in local & external connections**  
Shadreck CHIRIKURE, Abigail J. MOFFETT
- PA0602** **Changes in regional exchange networks & consumption patterns: A case study from southern Africa**  
Kefilwe RAMMUTLOA
- PA0603** **Trade, commodity values, & wealth in pre-colonial southern Africa**  
Munyaradzi MANYANGA
- PA0604** **Tusks, bangles, & trumpets: the circulation of ivories across southern Africa**  
Ashley COUTU
- PA0605** **Smooth, white & annular: exploring the materiality of cowrie shells in the southern African archaeological record**  
Abigail J. MOFFETT, Shadreck CHIRIKURE, Simon HALL
- PA0606** **The “worlding” of Indian Ocean beads: Multiscalar politics of glass beads from Iron Age Botswana**  
Carla KLEHM
- PA0607** **Indian Ocean commodities on the Swahili Coast: The case of northern Pemba, Tanzania, 600-1600 CE**  
Adria LaVIOLETTE, Jeffrey FLEISHER
- PA0608** **Cowrie shells: An early global commodity**  
Annalisa C. CHRISTIE, Anne HAOUR
- PA0609** **Pass me the pipe. Rethinking questions about tobacco in West Africa**  
Ann B. STAHL

**DISCUSSANT:** Susan K. MCINTOSH

## SAFA 2018 PANAFRICAN SYMPOSIA

### **PA07: AFRICAN CITIES ACROSS TIME AND SPACE**

Organizers: Adria LAVIOLETTE & Shimelis GULEMA

Abstract: This session will explore African cities in multidisciplinary ways, spanning topics from regional urban origins at different times in antiquity, to the impact of the early Arab and European colonial predations on urban polities, and the increasingly rapid urbanization that has taken place across the continent in the most recent centuries. Our goal is to engage scholars from both archaeology and history who study urbanization across Africa, as a locus of creativity and change as well as long-term continuity on the continent. We hope to engage new research on how people living in cities and their surroundings invented and reinvented what cities were over time, the implications of urbanization on Africa's socio-cultural, economic and political landscape, and to inspire a comparative take on cities as enduring phenomena in Africa. The symposium will solicit papers from contributors writing about African cities from pan-African, regional, and local perspectives. Potential themes include, but are not limited to, discussions of approaches, theories, and methodologies in the archaeological and historical study of African cities, urban historiographies, urban origins, urbanism, ideas and practices of space and place, cemeteries, monuments, types of towns and patterns of urban life over time, urban morphology, urban architecture, urban institutions, and urban artifacts/heritage.

*WEDNESDAY 11.00-12.30 and 14.00-17.15*

**PA0701 Historical & archaeological study of the caravan town of Banikoara (North Benin, West Africa)**

Barpougouni MARDJOUA, Didier N'DAH, V BRUNFAUT

**PA0702 The archaeology of urban settlements in pre-colonial northern Ghana**

Denis GENEQUAND

**PA0703 Archaeology & architecture: The study of stone in colonial constructions in the San Pedro Region, Côte d'Ivoire**

Jean-Jacques AHOUE, Timpoké Hélène KIENON-KABORE

**PA0704 Grand-Bassam, first capital of Côte d'Ivoire: On the conservation of the built heritage**

Zainab SANGARE

*LUNCH BREAK; Session resumes at 14.00 (2 p.m.)*

**PA0705 Communities, economies, & exchange networks: The pre-Saharan oases centre of Tadmurt, Morocco**  
Sam NIXON, Mabrouk SEGHIR, Youssef BOKBOT

**PA0706 Water & early towns**  
Federica SULAS

**PA0707 Mapping pastoralist landscapes: Results of excavations at the Chabelley Airfield in eastern Djibouti**  
Madeleine BASSETT, Neil NORMAN

**PA0708 Tadjoura, African port & city – Input of descriptive geography to the study of city-ports**  
Florian FONTRIER

**PA0709 African urbanization in the time of neoliberal globalization; Evictions as development**  
Shimelis GULEMA

**PA0710 Excavations at Great Zimbabwe: Commoner housing versus elite enclosures**  
Thomas HUFFMAN

**PA0711 Recent research on mineral resources exploitation in the northeast of Madagascar (10<sup>th</sup> – 15<sup>th</sup> Century AD)**  
Vincent SERNEELS, Chantal RADIMILAHY, MéliSSa MOREL, Christoph NITSCHÉ, Jean-Aimé RAKOTOARISOA, Bako RASOARIFETRA, Guido SCHREURS

**PA0712 Urban stratigraphies & landscape sequences: Contextual analysis of Zanzibar's first settlement**  
Federica SULAS, Stephanie WYNNE-JONES

**PA0713 Eat, pray, load: Maritime activity areas in the proto-Swahili settlements of the Zanzibar archipelago (550-950 CE)**  
Tom FITTON

**PA0714 Leave no (coral) stone unturned: Survey results from Tumbatu Island, Tanzania**  
Henriette RØDLAND

**PA0715 Iberian urbanites in Swahili landscapes: Comparative urban manifestations in 16<sup>th</sup> – 17<sup>th</sup> Century Zanzibar, Tanzania**  
Adria LAVIOLETTE, Neil NORMAN



## SAFA 2018 PANAFRICAN SYMPOSIA

### **PA08: RETHINKING THE PRACTICE OF HISTORICAL ARCHAEOLOGY IN AFRICA**

Organizers: Peter SCHMIDT & Christopher DECORSE

Abstract: Over the last four decades historical archaeology in Africa has taken a decided trend away from the precolonial period to later, modern history. Both archaeologists and historians have noted this trend and have expressed concern that the deep time history of Africa is at risk of being marginalized if not forgotten. This symposium brings together diverse views of what constitutes historical archaeology today and what it might look like in the future. Among the questions posed are: 1) what can be done to better integrate deep time approaches into the archaeology of the slave trade and its impact on African societies?; 2) What is possible today, after a half century of sea change among rural cultures of Africa, to recuperate a perspective that uses oral traditional, oral histories, and historical linguistics?; 3) What applicability does the "historical archaeology is the archaeology of the modern era" have to historical archaeology in Africa, if at all? 4) What role may communities play in the future of constructing their own historical archaeologies in the future? These and other issues that arise out of contemporary practice cause us to rethink the future of historical archaeology in Africa.

*THURSDAY MORNING AND EARLY AFTERNOON*

- PA0801 Whose past?: African archaeology & the public**  
Chapurukha KUSIMBA
- PA0802 Western paradigms that erase deep time historical archaeology in Africa**  
Peter SCHMIDT
- PA0803 Introducing the 'archaeology of trees' in African historical archaeology**  
E. ICHUMBAKI
- PA0804 Oral histories, archaeology & socio-political complexity in pre-colonial small-scale societies in eastern & southern Africa: the case of the Chagga & the Karanga**  
Valence SILAYO, Innocent PIKIRAYI

- PA0805 Learning with the community about historical perspectives: The UCLA Shire Archaeological Project**  
Willeke WENDRICH
- PA0806 Historical archaeology & engaged scholarship: Food, identity & memory in the Cederberg, South Africa**  
Nicholas ZACHARIOU, Vuyiswa LUPUWANA
- PA0807 Historical archaeology as eclectic practice: Perspectives from pre-Atlantic & Atlantic West Africa**  
Gerard CHOUIN, Christopher DECORSE
- PA0808 Sierra Leone's lost past: Development, archaeology, & Cultural Resource Management in a post-conflict country**  
Christopher DECORSE
- PA0809 "My grandfather built it": integrating oral traditions with archaeological excavations of the nineteenth century slave trade**  
Kelly GOLDBERG
- PA0810 Anthropological archaeological approaches at interpreting the deep past & history of northern Ghana: perspectives from the Tong Hills & Yikpabongo**  
Benjamin KANKPEYENG, Tim INSOLL, Elvis TIBURU
- PA0811 Ta Masa and the sorcerers: Recent research in oral tradition, history, and archaeology around Segou, Mali**  
Nicholas GESTRICH

*LUNCH BREAK; Session resumes at 14.00 (2 p.m.)*

- PA0812 Ikhandu: An ethno-historical archaeological investigation of Nguni military homesteads**  
Renier VON DER MERWE
- PA0813 Linguistics & archaeology in the Horn of Africa**  
Christopher EHRET, Mohamed Nuuh ALI
- PA0814 Teaching historical archaeology in African universities**  
Asmeret MEHARI, Kokeli RYANO

**DISCUSSANT:** Peter SCHMIDT

**DISCUSSANT:** Christopher DECORSE

## SAfA 2018 PANAFRICAN SYMPOSIA

### **PA09: RELATIONAL ONTOLOGIES MEET AFRICAN ARCHAEOLOGY: QUESTIONING THE NATURE OF NATURE AND BEING A BEING IN THE PAST**

Organizers: Alice MULLEN & Larissa SNOW

Abstract: The ontological turn, now *de rigueur* within the humanities and anthropology in particular, is yet to have made significant waves in archaeology, but ripples certainly are forming. While archaeology and anthropology have been increasingly decolonized in practice, the body of theory they employ is not yet decolonized enough. Despite our best efforts we often get caught thinking in terms of established lexicons and forget to question the universality of our own epistemological schema. Ontological approaches are concerned with exposing the multiplicity of lived experience, dissolving categories like nature and culture; subject and object; human, non-human and thing. In doing so we are able to recognise and bridge the divide between indigenous knowledge systems and western ideology that has previously defined our perception of Africa's past. To restore validity to other peoples' worlds ontologists emphasise the nature of *being* over *belief*, a term which has the effect of reducing alterity to irrationality. This shift in perspective acknowledges the role non-human agents play in human social relationships and scrutinizes the diverse forms 'persons' can take. As more archaeologists begin to ask ontological questions, the current paucity of non-human beings and their efficacy in the past can be redressed. Contributors are invited to explore how ontological investigations enrich our understanding of African archaeology.

*THURSDAY MORNING, starting 8.30 a.m.*

- PA0901** **Categorizing San rock art: indigenous ontology versus academic interpretation**  
Alice MULLEN
- PA0902** **The uninvited guests: Spirits-of-the-dead in San rock art in Matatiele, South Africa**  
Kiah JOHNSON
- PA0903** **Images of an imagined world: towards an '-emic' approach of last hunter-gatherer's rock art in northeastern Africa?**  
Emmanuelle HONORÉ
- PA0904** **Getting to the ontological point: How arrows mediate inter-person relations that constitute the San world**  
Larissa SNOW
- PA0905** **Sheltered activities: rock art & performance on a southern Drakensberg ridge in the Eastern Cape Province, South Africa**  
David WITELSON
- PA0906** **Against a "forbidden death": Long-distance trade & relational ontologies of death in ancient Aksum, Ethiopia**  
Dil Singh BASANTI
- PA0907** **Archaeology by Africans: Tanzania as a case study**  
Asmeret MEHARI
- PA0908** **Spirit Snakes: Unveiling ontology & its materiality amongst the Haya**  
Zuriat MOHAMMED, Eudes BAMBANZA, Peter R. SCHMIDT
- PA0909** **"I can feel my lion hair growing & my lion teeth forming ...": San lion transformation – real or imagined? God's Truth or Hocus Pocus?**  
Mathias GUENTHER

## SaFA 2018 PANAFRICAN SYMPOSIA

### **PA10: CONNECTING PAST AND PRESENT: ORAL TRADITIONS, LANDSCAPES, AND COMMUNITY ARCHAEOLOGY**

Organizer: Matthew C. CURTIS

Abstract: As local communities have gained stronger roles within the process of archaeological research in Africa, teams integrating global/local members face new opportunities (and some challenges) in terms of interpretation, public presentation of results, education, and capacity building. This symposium explores prospects for integrating oral traditions and traditional ecological knowledge into archaeological research and interpretation, and for leveraging these community contributions to create public education initiatives that are more relevant and meaningful to peoples in various research areas. The first segment of the symposium highlights community involvement in surveys and historical ecology efforts in Ethiopia and Cameroon, enhancing efforts to detect sites and understand the reasons for ancient changes in settlement patterns. The second segment explores the interplay between archaeological data and written and oral history in exposing a past that may be contested or emotionally laden: examining the lives of Africans under British military occupation, grappling with the legacy of the slave trade, and correcting attributions of monumental ‘Zimbabwe’ constructions from exotic agents (incorrect propaganda) to African authorship (correct and verifiable). The final series of papers probes the future of such efforts operating at various scales, from capacity building in local archaeological developments, to a longitudinal examination of ‘activist archaeology’ in a geopolitically vulnerable area, to larger-scale online learning in archaeology.

*WEDNESDAY AFTERNOON, starting 14.00 (2 p.m.)*

- PA1001 Bridging the past & present: Historical ecology & human environmental dynamics in the Horn of Africa**  
A. Catherine D’ANDREA, Valery J. TERWILLIGER, Zoe WALDER-HOGE, Zewdu ESHETU, Mitchell POWER, Paul ADDERLEY, Alemseged BELDADOS, Helina WOLDEKIRO, Marilyn FOGEL, Michael HARROWER, Cinzia PERLINGIERI, Jérémy JACOB
- PA1002 Survey & community engagement through the Eastern Tigray Archaeological Project (ETAP)**  
Brock WIEDERICK

- PA1003 Archaeological survey in the Shire / Inda Selassie Region of Tigray, Ethiopia: Working between past & present**  
Matthew C. CURTIS, Hans BARNARD, Kifle ZERUE, Gidey GEBREEGZIABHER, Willeke WENDRICH, Rachel MOY
- PA1004 Oral & archaeological data of Farkoumo & Lamordé in the valley of the Faro (Nord-Cameroon)**  
Temgoua-Noumissing Alice MEZOP
- PA1005 “That was our home – our mountain.” Early oral histories & place-names in the Mapungubwe landscape**  
Justine WINTJES, Thomas HUFFMAN
- PA1006 A bioarchaeological analysis of individuals recovered from the Gaza Gray outpost, Kruger National Park, South Africa**  
Anja MEYER
- PA1007 The urgency of historical archaeology**  
Fodé DIAKHO
- PA1008 Memories & commemorations of slavery: the collective suicide of women from Nder (Waalo, Senegal) in the 19th century**  
Aïcha KAMITE
- PA1009 Seeking the ancient gold-bearing place of Sasu at ‘Dish’ Mountain, Beni-Shungul-Gumuz Region, Western Ethiopia**  
Hailu ZELEKE
- PA1010 Discovering the archaeologists of Africa**  
Kenneth AITCHISON, Jonathan WALZ
- PA1011 The serendipitous path to an ‘activist’ archaeology: the Mandara Archaeological Project 1984 to present**  
Judy STERNER
- PA1012 OLLAH: Online Learning on African Archaeology & Heritage: A platform to form the next generation of Africanist archaeologists**  
Sofia FONSECA, Jörg LINSTÄDTER, Nuno BICHO, Matthieu HONEGGER, Jonathan HAWS

## SAFA 2018 REGIONAL & LOCAL SYMPOSIA

### **RL01: ARCHAEOLOGY OF THE OYO EMPIRE: METROPOLITAN AND REGIONAL PERSPECTIVES**

Organizers: Akin OGUNDIRAN & Olu ALERU

Abstract: This symposium presents new findings from the recent interdisciplinary archaeological research in the metropolitan area of Oyo Empire, the largest political formation in West Africa south of the River Niger. Building on the regional archaeological work that Babatunde Agbaje-Williams conducted in Oyo-Ile between 1977 and 1993, the symposium will address six themes: (1) the settlement ecology and settlement history of the Oyo metropolitan area, using Geographical Information Science techniques and traditional archaeological survey; (2) the implications of differentiated and specialized use of the landscape for understanding sociopolitical development in the metropolitan area; (3) what the new program of household archaeology in Oyo-Ile tells us about social stratification, craft production, domestic economy, and long-distance trade; (4) the new approaches to the analysis of Oyo pottery both in the metropolis and in the empire's frontiers and what these meant for understanding the ceramic sociology of Oyo Empire; (5) the relationships between the Oyo metropolis and its outlying territories; and (6) the emerging directions for institutional collaboration regarding the documentation, curation, and preservation of the Old Oyo archaeological resources for further research and public education.

*TUESDAY MORNING, starting at 8.30 am.*

- RL0101 Spatially explicit predictive modelling of settlement distribution in the Old Oyo Metropolitan Area**  
Minrui ZHENG, Wenwu TANG
- RL0102 The Mejiro Double-Courtyard Complex I: Architectural forms, residential formation, & residential collapse**  
Olusegun MOYIB, Emmanuel ADEARA
- RL0103 The Mejiro Double-Courtyard Complex II: Material of household activities**  
David OKANLAWON, Olusegun MOYIB

- RL0104 The Mejiro Double-Courtyard Complex III: Plant resource use in a domestic context**  
Kingsley DARAOJIMBA, Emuobosa ORIJEMIE, Chiamaka ANYANWU
- RL0105 Bara: The final resting place of the Alaafin**  
Macham MANGUT, Akin OGUNDIRAN, Okopi ADE, David OKANLAWON
- RL0106 Ceramic styles on the western frontier of the Oyo Empire**  
Andrew GURSTELLE
- RL0107 Ceramics & political identity on the eastern frontier of the Oyo Empire**  
Akin OGUNDIRAN, Bolanle TUBOSUN
- RL0108 Looking out beyond the baobab trees: The zooarchaeology of the Oyo Empire's southeast frontier**  
Lee BRODERICK, Akin OGUNDIRAN
- RL0109 The changing roles of oral traditions & onomastics in Old Oyo northern frontier, Nigeria**  
Olu ALERU
- RL0110 Trading networks and cultural exchange along the Middle Niger before 1500 CE**  
Richard KUBA
- RL0111 Long before the Empire: New evidence for Late Stone Age occupation in Oyo Ile**  
Okopi ADE, Olusegun OPADEJI
- RL0112 Linking the past to the present: Reflections on the new agenda for the archaeology of Oyo Empire**  
Babatunde AGBAJE-WILLIAMS

## SAFA 2018 REGIONAL & LOCAL SYMPOSIA

### **RL02: NEW LIGHT ON NIGERIA'S PAST: RE-ASSESSING PAST DISCOVERIES AND RENEWING APPROACHES IN THE ARCHAEOLOGY OF NIGERIA**

Organizer: Abideme Babatunde BABALOLA

Abstract: During the last decades of the colonial period and the first decade after independence, Nigeria witnessed a series of sustained archaeological programs across the country. Many new archaeological sites were discovered and a broad range of materials that cut across different time periods were collected and curated in the national museums. While some valuable publications resulted from some of these early excavations, many others remained only unofficially reported. By the second decade after independence, the implementation of the archaeological program slowed, perhaps due to the different agenda and the plethora of challenges facing the newly independent state. A rebound occurred from the early 2000s, with a series of new research projects been implemented. Along with the design of fresh initiatives and sites across the Nigerian landscape, archaeologists are beginning to evaluate previous works and to investigate the archives of these early excavations. As a result, we offer a double panel that brings together papers focusing on 'new program in southwest Nigeria and its surrounding,' and papers reflecting on 'traces and legacies of past archaeological projects in Nigeria.' This double panel aims to bring scholars working on different parts of the country together to discuss methodologies and new findings, and to proffer a dynamic and innovative interpretation on both the old and new materials.

*WEDNESDAY MORNING, starting at 8.30 am.*

- RL0201 Further enquiry into early glass production in West Africa: Recent excavations at Igbo Olokun, Ile-Ife, Nigeria**  
Abidemi Babatunde BABALOLA, Adisa OGUNFOLAKAN,  
Mercy Itohan EZOMO
- RL0202 New excavations at Oke-Atan, Ile-Ife**  
Adisa OGUNFOLAKAN, Gérard CHOUIN

- RL0203 Preliminary observations on the defensive walls of Ijebu Ode**  
Olanrewaju LASISI
- RL0204 A report of 2017 archaeological investigations at Okete-Kakini palace precinct, Idah, Niger-Benue Confluence, Nigeria**  
Aribidesi USMAN
- RL0205 Archaeobotanical analysis of Late Stone Age environments of Ita Ogbolu rockshelter, Ondo State, southwest Nigeria**  
Victoria OLAJIDE, Raphael A. ALABI
- RL0206 Late Holocene archaeobotanical evidence of plant management in Tse Dura rockshelter, north-central Nigeria**  
Emuobosa ORIJEMIE
- RL0207 Iron working, defense systems & their effects on the forest vegetation in southern Yorubaland, southwestern Nigeria**  
Olusegun OPADEJI
- RL0208 A re-examination of the Benin City mass burial at Clerk's Quarter**  
Gérard CHOUIN
- RL0209 Advances in archaeological practice in SW Nigeria: Integrated geophysical survey at Igbo Oritaa, Iwo**  
M. O. OLORUNFEMI, Adisa OGUNFOLAKAN, A. G. ONI
- RL0210 Exploring Willett's archives as a resource for the archaeology of Nigeria**  
Tomos EVANS
- RL0211 Ile-Ife: The epicenter of African cultural history/religious worship and tourism**  
John Olusegun OGUNDELE

## SAFA 2018 REGIONAL & LOCAL SYMPOSIA

### **RL03: ARCHAEOLOGICAL RESEARCH IN THE ANCIENT KONGO KINGDOM'S CAPITAL AND IN ITS NORTHERN PROVINCES: THE COMBINED RESULTS**

Organizers: Bernard CLIST & Maria Piedade de JESUS

Abstract: On July 8, 2017, UNESCO added the historical area of modern day Mbanza Kongo in Angola to its World Heritage List. It is there the ancient Kongo kingdom's capital was situated. This major site was never well studied from an archaeological point of view apart from very limited rescue excavations during the 1960s. In 2011, an archaeological research program was initiated by the National Institute for Cultural Heritage of the Republic of Angola supported by UNESCO; its first phase was concluded in late 2014. During the same period another research project, the KongoKing project, funded by the European Research Council and headquartered at Ghent University in Belgium, studied from an archaeological and historical linguistics standpoint the northern provinces of the ancient Kongo kingdom ([www.kongoking.net](http://www.kongoking.net)). Fieldwork was carried out between 2012 and 2015 in the Democratic Republic of Congo and in the Congo Republic. Some results were presented in a symposium on the African kingdoms at the SAfA 2016 meeting in France. Today (2018) it is time to bring together all the results from the two independent programs obtained from pluri-disciplinary studies carried out on the pottery, glass beads, clay and stone pipes, cemeteries, large settlements and to present a first general synthesis.

*TUESDAY AFTERNOON, starting at 14.00 (2.00 p.m.).*

#### **RL0301 Connections between the Kongo kingdom's center & its periphery**

Maria DA PIEDADE DE JESUS, Bernard CLIST, Maria Conceição LOPES, Raymond ASOMBANG, Christophe MBIDA, Sonia da Silva DOMINGOS, João BARREIRA, Els CRANSHOF, Paula GOMES, Karlis KARKLINS, José MIRÃO, Delphine SAELENS, Mafalda COSTA, Alessia COCCATO, Anastasia ROUSAKI, Anna TSOUFRA

#### **RL0302 Mbanza Kongo: Evolution of the city using the earth archives from Kulumbimbi, Tadi dia Bukikwa & Alvaro Buta**

Maria Conceição LOPES, João BARREIRA, Daniel PINTO, André TOME, Maria da Piedade de JESUS

#### **RL0303 Provenance of the European glass beads from Kulumbimbi (Mbanza Kongo, Angola)**

Mafalda COSTA, Pedro BARRULAS, Luís DIAS, Maria da Conceição LOPES, João BARREIRA, Bernard CLIST, Karlis KARKLINS, Maria da Piedade de JESUS, Sónia da Silva DOMINGOS, Peter VANDENABEELE, José MIRÃO

#### **RL0304 A communication network between Mbanza Kongo & its harbor of Soyo**

João BARREIRA, Maria da Conceição LOPES, Daniel PINTO, André TOME, Maria da Piedade de JESUS

#### **RL0305 Multi-analytical material characterization of the 14th–18th century Kongo Kingdom pottery**

Anna TSOUFRA, Bernard CLIST, Maria da Conceição LOPES, Maria da Piedade de JESUS, Sónia da Silva DOMINGOS, Koen BOSTOEN, Paula GOMES, Massimo BELTRAME, António CANDEIAS, Jose MIRÃO

#### **RL0306 Manufacture & use of smoking pipes in Kongo kingdom: an archaeometric study**

Anna TSOUFRA, Cristina DIAS, Ana MANHITA, Bernard CLIST, Koen BOSTOEN, António CANDEIAS, José MIRÃO

#### **RL0307 The archaeological sequence of the Kongo kingdom, c. AD 1300-1850**

Bernard CLIST, Pierre de MARET

#### **RL0308 The Kongo Kingdom project, 2012-2016: time to take stock**

Pierre de MARET, Bernard CLIST, Koen BOSTOEN

## SAFA 2018 REGIONAL & LOCAL SYMPOSIA

### RL04: EGYPT AND THE WIDER WORLD

Organizer: John DARNELL

Abstract: Much neglected at SAfA meetings has been any discussion of ancient “Greater Egypt”, from its pre-Dynastic (and earlier) foundations to empire at its territorially most expansive, and its relations to its neighbors. Can one subscribe to the idea that Egypt was an isolate, sufficient unto itself? Rather, it is the exchange of peoples, materials and ideas across the shifting frontiers of Greater Egypt that writes the more nuanced story of the foundations and expansion of pre-dynastic and Dynastic Egyptian civilization and of civilizations elsewhere on the Horn of Africa, across the Red Sea, and far desert to the west.

(n.b. For the purposes of this symposium, “Greater Egypt” encompasses all of the country of Egypt today plus the Nile south to Khartoum, areas east of the Nile to the Red Sea and west of the Nile to Jebel Uweinat and Wadi Howar, the Sinai, and portions of Israel.)

*THURSDAY MORNING & EARLY AFTERNOON, starting 8.30 a.m.*

- RL0401 Western Desert—Nile Valley ties before the Predynastic**  
Mary M.A. MCDONALD
- RL0402 Predynastic iconography & environment**  
Stan HENDRICKX
- RL0403 Herding, fishing & hunting during the 5<sup>th</sup> & 4<sup>th</sup> millennium BCE: Fauna from Egypt and beyond**  
Joséphine LESUR
- RL0404 A landscape perspective of Predynastic Egyptian religion**  
Lauren LIPPIELLO
- RL0405 Exactly how far does “Egypt” go in the Predynastic Period? Rock art traditions as cultural markers**  
Axelle BRÉMONT
- RL0406 Tomb72 at Hierakonpolis Cemetery HK6: Contextualising an Egyptian Predynastic royal tomb**  
Xavier DROUX
- RL0407 Egypt’s shifting interactions with the south & west, & associated ideological representations: 4th–3d Mill. BCE**  
Julie STAUDER-PORCHET

- RL0408 The Protodynastic inscription of el-Khawy**  
John Coleman DARNELL
- RL0409 Ancient Egyptian in the Afroasiatic Context**  
Andréas STAUDER
- RL0410 Caravan pioneers: Pastoral nomads & early desert roads during the Old Kingdom**  
Heiko RIEMER
- RL0411 Meeting at the crossroads: Kharga Oasis at the dawn of the Pharaonic Period**  
Tiphaine DACHY
- RL0412 Basics of ancient Egyptian magic and its practice on Nubian soil**  
Hans-Werner FISCHER-ELFERT

*LUNCH BREAK – PRESENTATIONS RESUME AT 14.00 (2 p.m.)*

- RL0413 Dental health in the terminal Pleistocene: Hunter-gatherers from Wadi Halfa, Sudan**  
Grace APFELD
- RL0414 Biomechanical analyses of the skeletal remains from Tombos: Diachronic changes from the New Kingdom through the Napatan components in Upper Nubia**  
Victoria E. GIBBON, Michelle R. BUZON, Stuart Tyson SMITH
- RL0415 Ancient DNA analysis in Upper Nubia: Tracking maternal lineage of the X-Group**  
Yahia M.S. CHERIFI
- RL0416 The application of digital technologies to support Egyptian archaeology: Experiences from the Yale University Field Expeditions**  
Alberto URCIA
- RL0417 The Pennsylvania-Yale Expedition to Egypt at the Peabody: Archives, materials, & future research avenues**  
Stéphanie MACHABÉE

## SAFA 2018 REGIONAL & LOCAL SYMPOSIA

### **RL05: LATE QUATERNARY HUNTER-GATHERER STONE ARTIFACT TECHNOLOGICAL VARIABILITY IN NORTHERN AND EASTERN AFRICA**

Organizers: Steven BRANDT & Clément Ménard

Abstract: This symposium focuses upon hunter-gatherer stone artifact technological variability (SATV) in northern and eastern Africa during the Late Quaternary (~last 300 ka). Archaeologists have identified distinctive temporal/spatial patterns in lithics, groundstone and faceted pigments from both regions, but have had few opportunities to compare them. This symposium provides a forum to discuss how systematic cross-regional comparisons of SATV could sharpen knowledge of hunter-gatherer behavioral variability in northern (Sahel/Sahara/Mediterranean) and eastern (montane/rift) Africa during the Late Quaternary, a period that witnessed dramatic paleoenvironmental perturbations and the bio-cultural evolution and spread of *Homo sapiens* through and out of Africa. Papers do not have to focus exclusively on comparability, but contributions from one or both regions should spark such comparative discussion questions as:

- Can we recognize temporal/spatial patterning in SATV that correlate with different aggregation/dispersal events across deserts, mountains, grasslands and other habitats (including those outside Africa)?
- What connections/correlations can be made between SATV and key paleoclimatic events or phases (e.g. the warm and humid Last Interglacial, the cold, arid Last Glacial Maximum, or rapid climatic transitions at the beginning and end of the African Humid Period)?
- What changes in SATV can be related to critical biological or behavioral transformations (e.g. skeletal, genetic, demographic, dietary, cognitive/symbolic)?

*MONDAY MORNING, starting at 8.30 am.*

**RL0501** *The mountain exile hypothesis: The colonization of an afro-alpine environment by Stone Age hunter-gatherers*  
Götz OSSENDORF, Minassie Girma TEKELEMARIAM, Ralf VOGELSANG

**RL0502** *Hunter-gatherers of the high-altitude afro-montane forest: the late Holocene occupation of Mt. Dendi, Ethiopia*  
Christian SCHEPERS, Ralf VOGELSANG

**RL0503** *Horn of Plenty: Taxonomic status of Late Glacial-Early Holocene lithic industries from Somalia*  
Clément MÉNARD, Steven A. BRANDT

**RL0504** *Late Pleistocene ground stone variability and pigment processing at Mochena Borago Rockshelter, SW Ethiopia*  
Benjamin D. SMITH

**RL0505** *Memory, perseverance & Late Quaternary lithic diversity in the Horn of Africa*  
Steven A. BRANDT

**RL0506** *Late Quaternary paleoenvironmental and lithic variability at Kharga Oasis, Egypt*  
Maxine KLEINDIENST

**RL0507** *New insights on stone tool diversity in the last hunter-gatherer communities of the Maghreb (10th - 5th millennium cal. BC)*  
Tiphaine DACHY, Colas GUERET, Thomas PERRIN

**RL0508** *Unravelling the behavioural significance of Kombewa knapping in North Africa*  
Houda OUDOUCHE, Manuel VAQUERO RODRÍGUEZ, Carlo PERETTO

**RL0509** *A cultural transmission framework for studying late Quaternary hunter-gatherer lithic technology: the view from Nasera Rock, Tanzania*  
Kathryn RANHORN

**DISCUSSANT:** Alison BROOKS



## SAFA 2018 REGIONAL & LOCAL SYMPOSIA

### **RL06: LAND-COVER AND LAND-USE IN HOLOCENE AFRICA: INTEGRATING DIVERSE DATA FOR PAST AND FUTURE PROJECTIONS**

Organizers: Oliver BOLES & Paul LANE

Abstract: Incorporating data on land-cover change remains a major priority for the climate modelling community. In particular, while anthropogenic land-cover change (ALCC) is recognized as a fundamental contributor in landscape histories, its integration into environmental models – both past and future – is obstructed by data of uneven coverage, non-standard metrics, and frequently limited accessibility. The Holocene has seen huge changes to African landscapes, wrought by the emergence of food production and demographic expansion alongside a highly variable climate. Understanding the dynamic relationship between anthropogenic and natural processes requires the collation of archaeological, historical, and paleoenvironmental datasets pertaining to land-cover and land-use in the past. However, this fundamentally-interdisciplinary exercise is clearly not without its challenges. As the LandCover6k project, which seeks to provide useable, global ALCC data, enters its final stages, this session will consider the issues and obstacles faced when integrating diverse datasets, evaluate current progress, and discuss aims, objectives, and possibilities for the future. Areas for discussion might include:

- Knowledge gaps: how to account for research coverage that is geographically and temporally uneven
- Resolution: what kinds of spatio-temporal resolution might be expected to provide useful but achievable results
- Standardisation: how standardised land-cover/use classifications represent reality
- Access: how can LC/LU data be augmented, accessed and used by multiple stakeholders

*THURSDAY MORNING, starting at 8.30*

- RL0601 From Africa to the Globe: LandCover 6k**  
Kathleen MORRISON, Marie-José GAILLARD-LEMDAHL
- RL0602 Gaps, holes and hiatuses: Joining the dots of historic land-use in eastern Africa**  
Oliver BOLES, Colin COURTNEY MUSTAPHI, Suzi RICHER, Robert MARCHANT
- RL0603 Holocene changes in the animal production niche: Land use trends on the African continent**  
Leanne PHELPS, Katie MANNING, Olivier BROENNIMANN, Basil DAVIS, Gregoire MARIETHÓZ, Antoine GUIBAN
- RL0604 Water availability at Great Zimbabwe: A multi-scalar assessment of the effects of land-use practices**  
Paul SINCLAIR, Innocent PIKIRAYI, Ezekia MTETWA, Federica SULAS, Anneli EKBLÖM, Paul LANE
- RL0605 Inferring anthropogenic finger prints on global climate change: Challenges & prospects of integrating data from West Africa**  
Jonathan Oluyori ALERU, Kola Titiloye ODOFIN
- RL0606 A multi-proxy approach to reconstructing land-cover change in the Green Sahara**  
Katie MANNING, Julie DUNNE, Paul BREEZE, Nick DRAKE, Richard EVERSLED

## SAFA 2018 REGIONAL & LOCAL SYMPOSIA

### **RL07: THE PLEISTOCENE AND HOLOCENE ARCHAEOLOGICAL RECORDS FROM THE INTERIOR OF SOUTHERN AFRICA**

Organizers: Benjamin COLLINS & Christopher AMES

Abstract: Recently, Pleistocene and Holocene archaeological research in southern Africa has been dominated by coastal and near coastal sites. Albeit unintentionally, this focus has cast our knowledge of southern African prehistory through a coastal lens. In this symposium we highlight archaeological research being conducted in the interior regions of southern Africa, emphasising the important contributions this research is making to our understanding of hunter-gatherer behavioural adaptations and behavioural variability throughout the Pleistocene and Holocene. More broadly, this symposium aims to expand our understanding of southern African prehistory by moving towards a broader regional approach that incorporates and compares information from across southern Africa's diverse landscapes.

*WEDNESDAY ALL DAY, starting 8.30 am.*

- RL0701 Varsche Rivier 003 (southern Namaqualand, South Africa): a Late Pleistocene desert sequence placed in a regional context**  
Teresa STEELE, Alex MACKAY, Simon ARMITAGE, Mareike STAHLSCHMIDT
- RL0702 Recent archaeological research on the Doring River, South Africa**  
Alex MACKAY, Christopher AMES, Zenobia JACOBS, Ian MOFFAT, Manuel WILL, Marika LOW, Jessica MCNEIL, Galen MILLER-ATKINS, Corey O'DRISCOLL, Natasha PHILLIPS, Matthew SHAW, Matthew WILLIAMS
- RL0703 Open-air preservation: a miniaturized lithic experiment**  
Natasha PHILLIPS, Justin PARGETER, Marika LOW, Alex MACKAY
- RL0704 Pollen & phytolith records of the time of early pastoralists in the Central Kalahari & Cape Region**  
Carlos CORDOVA

- RL0705 Landscape occupation & paleoenvironmental dynamics in the southern Kalahari Basin: preliminary results of the 2017 North of Kuruman Archaeological Survey, Northern Cape, South Africa**  
Benjamin SCHOVILLE, Kyle BROWN, Robyn PICKERING, Jessica VAN DER MEDEN, Jayne WILKINS
- RL0706 Investigating the Fauresmith stone tool industry from Canteen Kopje, Northern Cape Province, South Africa**  
Kelita SHADRACH, Dominic STRATFORD, Kathleen KUMAN, George Michael LEADER IV, Matt Geoffrey LOTTER
- RL0707 Pleistocene archaeology in the Kalahari Basin: An investigation of Middle Stone Age deposits at Gamohana Hill North Shelter**  
Jayne WILKINS, Benjamin SCHOVILLE, Kyle BROWN, Robyn PICKERING, Benjamin, COLLINS, Simangaliso MAKALIMA, Jessica VON DER MEDEN
- RL0708 Does location influence ochre use strategies? Comparing ochre use at Rose Cottage Cave during the Late Pleistocene with the use of ochre at coastal sites**  
Tammy HODGSKISS
- RL0709 New technological, chronological & cultural data on the Pietersburg from Bushman Rock Shelter, Limpopo Province, South Africa**  
Aurore VAL, Chantal TRIBOLO, Norbert MERCIER, Magnus HAALAND, Marina IGREJA, Christopher MILLER, Paloma DE LA PEÑA, Viola SCHMID, Guillaume PORRAZ
- RL0710 Technology & use-wear of MIS 5 triangular tools at Bushman Rockshelter (Limpopo, South Africa) in the context of Middle Stone Age convergent tool productions in Africa.**  
Katja DOUZE, Marina IGREJA, Aurore VAL, Guillaume PORRAZ

(continued on next page)

## SAFA 2018 REGIONAL & LOCAL SYMPOSIA

### **RL07 CONTINUED: THE PLEISTOCENE AND HOLOCENE ARCHAEOLOGICAL RECORDS FROM THE INTERIOR OF SOUTHERN AFRICA**

**RL0711 Mwulu's Cave revisited: Some thoughts on the Pietersburg Industry**

Paloma DE LA PEÑA, Irene ESTEBAN, Tammy REYNARD, Jennifer FICHET, Rosa MOLL, Joseph MATUMBO, Aurore VAL, Dominic STRATFORD

**RL0712 Painted evidence of earlier contact between hunter-gatherers & farmers in SE South Africa**

David PEARCE, Adelphine BONNEAU

*LUNCH BREAK: AFTERNOON SESSION BEGINS AT 14.00 (2 p.m.)*

**RL0713 Grassridge Rockshelter: Background to the late Pleistocene & Holocene occupations**

Benjamin COLLINS, Jayne WILKINS, Ayanda MDLUDLU, Emma LOFTUS, Robyn PICKERING, Christopher AMES

**RL0714 Stratigraphy & site formation processes at Grassridge Rockshelter in the Eastern Cape, South Africa**

Christopher AMES, Benjamin COLLINS, Carlos CORDOVA

**RL0715 An investigation of temporal change in lithic technology between the late Pleistocene & Holocene at Grassridge Rockshelter, Eastern Cape**

Ayanda MDLUDLU, Benjamin COLLINS, Jayne WILKINS, Christopher AMES

**RL0716 Taphonomy of unidentified fauna from the Later Stone Age levels of Grassridge Rockshelter, Eastern Cape, South Africa**  
Amy SMITH, Jerome REYNARD

**RL0717 Fauna from the Later Stone Age at Grassridge Rockshelter: Palaeoenvironmental change in the southern African Holocene**

Thomas BEARD, Jerome REYNARD

**RL0718 Human adaptation to afromontane environments through animal resource use at Sehonghong Rockshelter**

John VANDERGUGTEN, Genevieve DEWAR, Brian STEWART

**RL0719 Accuracy in zooarchaeological analysis: evidence from ancient DNA**

K. Ann HORSBURGH

**RL0720 That high lonesome sound: Last Interglacial lithic technologies from Melikane Rockshelter, Lesotho**

Kyra PAZAN, Brian STEWART, Genevieve DEWAR

**RL0721 Highland–lowland human mobility in Late Glacial Lesotho: Evidence from lithic data**

Justin PARGETER

**RL0722 Later Stone Age archaeology in Lesotho: Retrospect and prospect**

Peter MITCHELL

## SAFA 2018 METHODOLOGICAL SYMPOSIA

### **ME01: ARCHAEOMETALLURGY, SOCIETIES AND EVOLUTION IN AFRICA: METHODOLOGY, CHRONOLOGY AND TECHNICAL TRADITIONS**

Organizers: Timpoko Hélène KIENON-KABORE, Foniyama Elise THIOMBIANO-ILBOUDO, Jane HUMPHRIS

Abstract: In recent years, research on archaeometallurgy has intensified and methods have become more and more refined. Emphasis is placed on the technical traditions, the quantification of production, the understanding of social, economic, political, environmental contexts, all the while seeking to know and understand the actors of these metallurgical industries. Studying various modes of local and long-distance diffusion permits us to assess their socio-economic and political implications. New methodologies for approaching these questions are applied to metallurgical sites, permitting us to attain important scientific results. This symposium is the occasion to present the state of advancement of research on archaeometallurgie of both ferrous and non-ferrous metals, emphasizing the diversity of metallurgical techniques and approaches.

*WEDNESDAY AFTERNOON, starting 2 p.m.*

- ME0101** **Technical dynamics of iron production in the Faleme valley (Senegal)**  
Alexander WALMSLEY, Vincent SERNEELS, Anne MAYOR
- ME0102** **The iron and steel complex of Siola zone 4000 in Kaniasso (northwest Côte d'Ivoire): Review of archaeological research**  
Timpoko Hélène KIENON-KABORÉ, Vincent SERNEELS
- ME0103** **Relations between iron smelting and political organization: Perspectives from Nasia, Ghana**  
Mustapha MOHAMED
- ME0104** **A review of research on iron metallurgy in Burkina Faso**  
F. Elise ILBOUDO/THIOMBIANO
- ME0105** **Situation of the chronological data on the ferrous metallurgy in Burkina Faso**  
Pon Jean-Baptiste COULIBALY
- ME0106** **Iron production at Gajaaga: First results.**  
Ladji DIANIFABA
- ME0107** **From primary metallurgy to secondary metallurgy in southern Togo, from the pre-colonial era to the present day**  
Azontowou SENOU
- ME0108** **Oral tradition and archaeology: the case of iron metallurgy in Atakora (north-west Benin)**  
N'tcha Gérard TIDOUO KOUAGOU, Didier N'DAH
- ME0109** **Technical trends and senses of the facts and gestures in the process of mineral reduction, north east of Benin**  
Oumarou BANNI-GUENE
- ME0110** **Technological shifts for cultural changes? Copper productions in Niari (Rep. Congo), 10th-19th century**  
Nicolas NIKIS, Frederik RADEMAKERS, Thierry DE PUTTER
- ME0111** **Comparing Kushite and Aksumite iron production: chronology, technology and broader considerations**  
Jane HUMPHRIS
- ME0112** **East African iron production technologies 7<sup>th</sup>-10<sup>th</sup> centuries AD**  
Emma BAUZYTE

## SAFA 2018 METHODOLOGICAL SYMPOSIA

### **ME02: AFRICAN ARCHAEOLOGY & GENETICS: MOVING FROM MULTIDISCIPLINARY TO INTERDISCIPLINARY**

Organizers: Brenna HENN, Krishna VEERAMAH

Abstract: Inference of African population history has been based on multiple disciplines often with minimal exchange among fields; models designed by population geneticists may contrast with those from earlier archaeological or linguistic reconstructions. Such an approach can lead to a tension between the disciplines, one that is further exacerbated by field-specific jargon and differences in meaning for common vocabulary. However, the information that both genetic and archaeological data provide are highly complementary and, when combined in a more cohesive framework, have the potential to illuminate many long-standing questions in African archaeology and even identify new avenues of research. This symposium will bring together archaeologists, population geneticists and those that work at the interface of these two fields to explore how they can be connected in a more interdisciplinary framework, with the long term goal that African archaeologists will not simply understand the genetic data and analysis, but also become empowered to actively direct its application towards their own questions. We will use southern Africa as a special case study for this interdisciplinary process but we invite presentations on any region of Africa.

*WEDNESDAY MORNING, starting 8.30 am*

**ME0201 Boots on the ground in Africa's ancient DNA 'revolution': archaeologists' perspectives on ethics, history, and the need for best practices**  
Mary PRENDERGAST, Elizabeth SAWCHUK

**ME0202 Ancient DNA, Africa and the origins of modern humans**  
Carina SCHLEBUSCH

**ME0203 The people behind the samples: Biographical features of Later Stone Age skeletons from KwaZulu-Natal who yielded aDNA**  
Susan PFEIFFER, Lesley HARRINGTON, Marlize LOMBARD

**ME0204 Allele frequencies of adaptive alleles in ancient and modern Africans**  
Alexandra COUTINHO, Carina SCHLEBUSCH, Helena MALMSTRÖM, Mattias JAKOBSSON

**ME0205 Tracking the Khoekhoen: An early pastoralist intrusion into southern Africa**  
Andrew B. SMITH

**ME0206 Ancient sedimentary DNA provides novel insight into Pleistocene southern African hunter-gatherer ecology and disease**  
Riaan RIFKIN, Jean-Baptiste RAMOND, Aurore VAL, Don A. COWAN, Anders J. HANSEN

**ME0207 New insights into the prehistory of the Maghreb from ancient genomes**  
Rosa FREGEL

**ME0208 Synchrony and disparity between the African fossil record and DNA**  
Brenna M. HENN

**ME0209 Social and spatial scales in historical reconstructions: archaeology and genetics**  
Scott MACEACHERN

**ME0210 Using haplotype based techniques to infer human demography in Africa**  
Lucy VAN DORP

**ME0211 Understanding agricultural transitions in southwest Ethiopia using genetic data**  
Shyamalika GOPALAN, Brenna M. HENN, Barry HEWLETT, Richard E.W. BERL

**ME0212 Characterization of fine-scale population structure of African-Americans in the United States**  
Julie GRANKA

## SAFA 2018 METHODOLOGICAL SYMPOSIA

### **ME03: BEYOND WORDS AND THINGS : ARCHAEOLOGY AND HISTORICAL LINGUISTICS**

Organizers: Zoë CROSSLAND, Rhiannon STEPHENS

Abstract: Archaeology and historical linguistics have long informed each other in the African context, looking to each other for support or to interrogate their theories and narratives. Indeed, the long-standing investigation of the “Bantu expansion” can hardly be imagined without the contribution of both disciplines. Today genomic research is reinvigorating questions of migration and its archaeological and linguistic signatures in Africa, and yet there has been less theoretical exploration of the evidentiary bases for these reconstructions. In this session we explore where archaeology and linguistics sit today. Although past migrations remain a current topic, a range of other questions are prompted by historical linguistic research. These include the linguistic evidence for materially grounded practices, often seen through the lens of gender and other social distinctions, and a concern with how conceptual metaphors are worked through in practice, in materials that are recoverable archaeologically. What might poverty look like archaeologically, for example? Or what variety of political formations might we imagine by drawing on both historical linguistics and archaeological traces? How are new areas of research pushing the boundaries of what is possible by bringing linguistic and archaeological evidence into conversation, and what are the ongoing problems with such interdisciplinary approaches?

*THURSDAY AFTERNOON, starting 14.00 (2 p.m.)*

- ME0301 The moral imagination of ancient Bantu-speaking villagers: Metonymy and metaphor in the ritual for the foundation of new villages in early Central Africa (ca. 500 B.C.E.)**  
Marcos Leitão de ALMEIDA
- ME0302 Words and things in the archaeology of Madagascar**  
Zoë CROSSLAND and Rhiannon STEPHENS
- ME0303 Concepts of poverty in the historical linguistic and archaeological records**  
Rhiannon STEPHENS and Zoë CROSSLAND
- ME0304 Towards a history of West Nyanza burial practices**  
Conor WILKINSON
- ME0305 An archaeological perspective on the Bantu migration hypothesis**  
Geoffroy de SAULIEU, Pascal NLEND, David SEBAG, Yannick GARCIN and Richard OSLISLY
- ME0306 The origins of the Kongo kingdom: (conflicting) insights from archaeology and linguistics**  
B CLIST, G-M de SCHRYVER, P de MARET, K BOSTOEN)

## SAFA 2018 METHODOLOGICAL SYMPOSIA

### **ME04: ARCHAEOOMETRY IN THE SERVICE OF AFRICAN ARCHAEOLOGY**

Organizer: Ellery FRAHM

Abstract: The argument has been made that archaeometry is the facet of archaeology that has made the greatest advances in the last two decades. Africa has been not just the consumer of new methods of analysis and dating, but the spawning-ground of innovation. How best to leave behind the bad-old-days when the ‘scientist’ visited the field site long into the research season, if at all? How best to celebrate a new normal of research design in which new analytical procedures and attendant sampling concerns are front-and-center from the first moments of project conception?

*THURSDAY ALL DAY, starting 8.30 a.m.*

- ME0401 Advances in portable XRF for obsidian sourcing in eastern Africa**  
Ellery FRAHM
- ME0402 Modern soil phytoliths from Arusha ecoregion, Tanzania**  
Makarius ITAMBU, Robert PATALANO, Nduvoto MOLLEL, M ABTOSWAY, PM BUSHOZI, R BIRD, M BUNDALA, S CLARKE, J INWOOD, F LARTER, P LEE, A MWAMBWIGA, M SOTO, J FAVREAU, L TUCKER, J MERCADER
- ME0403 Bioavailable strontium and diagenesis of teeth in northern Tanzania**  
Laura TUCKER, Matthew ABTOSWAY, Robert BIRD, Mariam BUNDALA, P BUSHOZI, J FAVREAU, J INWOOD, M ITAMBU, F LARTER, P LEE, N MOLLEL, A MWAMBWIGA, R PATALANO, V RAJDEV, M SOTO, JulJio MERCADER
- ME0404 I can't believe it's not ostrich: Land snail beads in the sub-Saharan archaeological record**  
Jennifer MILLER, Elizabeth SAWCHUK, Amy REEDMAN, Pamela WILLOUGHBY
- ME0405 Using archaeomagnetism to date ancient iron-smelting furnaces in Senegal**  
Stephen VICTOR
- ME0406 Dating kraals with vitrified dung by means of archaeomagnetism**  
Michael COROLLA
- ME0407 Archaeomagnetic applications for the rescue of cultural heritage in Africa**  
Souad ECH-CHAKROUNI
- ME0408 Numerical chronology and West African Prehistory: State of the art and new reference sequence**  
Brice LEBRUN, Katja DOUZE, Irka HAJDAS, Laurent LESPEZ, Maria LORENZO MARTINEZ, Norbert MERCIER, Michel RASSE, Chantal TRIBOLO, Éric HUYSECOM
- ME0409 Petrographic analysis of some ceramic sherds from Lékié (Centre-Cameroon, Sub Sahara Africa): archaeometric study**  
Zoila Luz EPOSSI NTAH-KROLL, Ole STILBORG
- ME0410 Ethno-archaeometry of ceramics in eastern Senegal**  
Anne MAYOR, Nadia CANTIN
- ME0411 Optical petrography and ancillary techniques for inferring ceramic provenance**  
David KILLICK
- LUNCH BREAK – SESSION RESUMES AT 14.00 (2 p.m.)*
- ME0412 Sourcing red gold in southern Africa: Assessing the potential for lead isotope provenance studies of copper**  
Jay STEPHENS, David KILLICK, E WILMSEN, J DENBOW
- ME0413 LA-ICP-MS applied to glass beads from West Africa: A systematic archaeometrical investigation**  
Miriam TRUFFA GIACHET
- ME0414 From clay to master's pieces: Geochemical characterization to investigate the chaîne opératoire of San rock paintings**  
Adelphine BONNEAU, Luíseach NIC EOIN, David PEARCE, Peter MITCHELL, Michel LAMOTHE, Daniel ARSENAULT
- ME0415 Designing archaeological projects through archaeometry: The Zulu Kingdom Archaeological Project**  
Kent FOWLER, Mostafa FAYEK, P YANG, N HALDEN
- ME0416 Investigating fire in the Early Stone Age at Wonderwerk Cave: Implications for hominin evolution**  
Candice KOPOWITZ, Michaela ECKER, Liora Kolska HORWITZ, Michael CHAZAN, Francesco BERNA

## SaFA 2018 METHODOLOGICAL SYMPOSIA

### **ME05: OLD PROBLEMS, NEW PERSPECTIVES: TECHNOLOGIES, METHODOLOGIES AND TECHNIQUES**

Organizers: Peter COUTROS, Kefilwe RAMMOUTLOA

Abstract: Over the past few decades, archaeology has seen a surge of new technologies, methodologies, and techniques employed in the field and in the lab. Whether these tools have been developed by archaeologists themselves or borrowed from related disciplines, they have dramatically broadened the scope of archaeological inquiry and deepened our understanding of the African past. The past decade has brought major advances in spatial data collection, management, and interpretation, and new interactions between the archaeological and geological sciences. This session seeks to highlight research from around the continent that poses novel questions afforded by these new tools, or approaches old questions in new ways. We offer contributions from a wide range of research, especially GIS, geophysical techniques, climate modeling, and geoarchaeology.

*MONDAY MORNING, starting 8.30 a.m.*

**ME0501 A multi-proxy approach to localizing cultural and environmental landscapes**

Peter COUTROS

**ME0502 Archaeology and space: understanding the settlement pattern of Late Iron Age sites in southern Africa**

Mncedisi SITELEKI

**ME0503 GIS-based location analysis of Nok Culture sites in Nigeria**

Eyub Fikret EYUB

**ME0504 An open-access, online database of archaeological dates from southern Africa**

Emma LOFTUS, Christopher RAMSEY, Peter MITCHELL

**ME0505 Digitisation of archaeological material culture, a catalyst for heritage management and decolonisation**

Benjamin MARAIS

**ME0506 Identifying and characterizing a bio-molecular indicator of malaria in West African archaeological skeletal remains**

Jamie INWOOD, Matthew ABTOSWAY, Robert W BIRD, M BROWN, M BUNDALA, P BUSHOZI, M COX, S CLARKE, J FAVREAU, M ITAMBU, F LARTER, S LARTER, P LEE, C

LAPOSKI, B LUOKKALA, R MCRAE, N MOLLEL, A MWAMBWIGA, R PATALAN, V RAJDEV, K TRINKHAUS, M SOTO, L TUCKER, J MERCADER

**ME0507 Application of biological anthropology methods to study the eastern Necropolis of Sitifis**

Selma AMRANI, Yahia Mehdi Seddik CHERIFI

**ME0508 Experimental protocol for decontaminating sub-Saharan dental calculus**

María SOTO, Matthew ABTOSWAY, Robert William BIRD, Mariam BUNDALA, Pastory BUSHOZI, Siobhan CLARKE, Julien FAVREAU, Jamie INWOOD, Makarius ITAMBU, Fergus LARTER, Patrick LEE, Neduvoto MOLLEL, Aloyce MWAMBWIGA, Robert PATALANO, Vinay RAJDEV, Laura TUCKER, Julio MERCADER

**ME0509 New methodology of ICP-MS for femtosecond laser ablation for direct dating of ostrich eggshells via U-series disequilibrium**

Loïc MARTIN, Asmodée GALY, Nicolas BRUTEL, Marion TARIS, Christophe PECHEYRAN, Eric DOUVILLE, Edwige PONS-BRANCHU, Nicholas CONARD, Guillaume PORRAZ, Aurore VAL, Norbert MERCIER, Chantal TRIBOLO, Yannick LEFRAIS, Nadia CANTIN, Stanislav PECHEV, Eric LEBRAUD

**ME0510 Phytolith production in modern plants from Olduvai Gorge, Tanzania**

Mariam BUNDALA, Mathew ABTOSWAY, Laura TUCKER, Siobhan CLARKE, Julien FAVREAU, Patrick LEE, Robert PATALANO, Makarius ITAMBU, Fergus LARTER, Jamie INWOOD, Maria SOTO, Julio MERCADER

**ME0511 XRF soil analysis of pit and grave features of the Nok Culture (Central Nigeria)**

Annika SCHMIDT

**ME0512 Assessing the potential for ED-XRF in archaeometric Studies: A focus on data sharing and bulk chemical analysis**

Jeffrey R. FERGUSON, Brandi Lee MACDONALD



## SAFA 2018 METHODOLOGICAL SYMPOSIA

### **ME06: THE ETHNOARCHAEOLOGY OF CRAFT, TECHNOLOGY, TRADE, AND SOCIAL NETWORKS**

Organizer: Diane LYONS

Abstract: Among the great strengths of ethnoarchaeological research is the opportunity to interact with and to query people who embody the knowledge and skills of cultural traditions and practices. Documenting this knowledge serves to conserve cultural heritage in Africa, and it further provides rich ethnographic information that we use as archaeologists to further understand the ways in which people adapt and perceive the world both materially and immaterially. The application of scientific analysis in ethnoarchaeological study further situates contemporary activity and information within environments, landscapes and networks in order to compare contemporary practices with longer-term activities that make the past and the present mutually relevant. This session presents studies from West, East and Southern Africa that investigate craft, technology, trade and social networks in contexts as diverse as boat-building, blacksmithing, decorative arts, household provisioning, foodways, rock art and personal adornment. The session also addresses recent challenges to ethnoarchaeological practice as narrowly construed and ill-informed.

*MONDAY MORNING, starting 8.30 a.m.*

- ME0601 An ethnoarchaeological approach to traditional farmer knowledge in eastern Tigray, Ethiopia**  
Zoë WALDER-HOGE
- ME0602 Foodways in Atlantic Era West Africa – Ghana: Rethinking daily life in the past**  
Dela KUMA
- ME0603 The grinding stone tradition – A perspective from northern Ethiopia**  
Laurie NIXON-DARCUS
- ME0604 Using ethnoarchaeology to interpret archaeological blacksmithing sites from Bassar, Togo**  
Philip DE BARROS
- ME0605 A historical and ethnographic study of cultural change and continuity in the use and construction of dhows and outriggers in the Tanga Region, Tanzania**  
Ryan D. MARR
- ME0606 The study of the decorative objects from the village of N'gatadolikro, Côte d'Ivoire**  
Amoin Prisca Marie Madelein KOFFI, Timpoko Héléne KIENON-KABORE
- ME0607 Traditional Baoule decoration techniques on cotton fabric in Tiebissou, Côte d'Ivoire**  
Aya Anita Sandrine KOUADIO
- ME0608 Ceramic ethnoarchaeology, use-alteration, and identity in the Gamo region of southwestern Ethiopia**  
John ARTHUR
- ME0609 To hell with ethnoarchaeology ... and back!**  
Nicholas DAVID, Diane LYONS

## SaFA 2018 METHODOLOGICAL SYMPOSIA

### **ME07: RECENT DEVELOPMENTS IN THE ARCHAEOLOGY & ETHNOARCHAEOLOGY OF CERAMICS IN AFRICA**

Organizer: Katherine GRILLO

Abstract: Ceramic analysis has always contributed important insights to our understanding of economic, technological, and cultural change in Holocene Africa. This symposium highlights recent archaeological and ethnoarchaeological research on several themes. These include the use of ceramic analysis to define the geographical extent and spread of cultural groups in the past, explore dynamics within zones of contact between cultural groups, investigate changing foodways through residue analysis and vessel production, and understand the significance of production and decoration methods and techniques.

*TUESDAY AFTERNOON, starting 2 p.m.*

- ME0701 First village communities in eastern Cameroon: the Lom Pangar 1 ceramic tradition**  
Bienvenu GOUEM GOUEM, Jean Paul NDANGA, Olivier Bertin NKOKONDA, Joseph Désiré YEBGA, Alphonse EMADAK
- ME0702 Reconstitution of the history of ceramics in Anyama (South Ivory Coast)**  
Affoua Eugénie KOUAME
- ME0703 Valuation of the tools of decoration of the ceramic containers of the potters "noumou" of Tengrela (North Ivory Coast)**  
Tiantio SANOGO
- ME0704 Technical and social approach of pottery activity among the Kassemblé of the Department of Korhogo**  
Aïcha Gninin TOURE
- ME0705 We forgot about Turkwel: Some thoughts after new discoveries in Baringo**  
Nik PETEK
- ME0706 Pastoralist foodways recorded in organic residues from ethnoarchaeologically-collected pottery vessels in Samburu, Kenya**  
Julie DUNNE, Katherine GRILLO
- ME0707 The electric mogogo: Griddles and changing markets in northern highland Ethiopia**  
Diane LYONS
- ME0708 An Iron Age cultural interface in South Africa**  
Gavin WHITELAW

## SAfA 2018 METHODOLOGICAL SYMPOSIA

### **ME08: NEW DEVELOPMENTS IN THE APPLICATION OF DIGITAL TECHNOLOGY IN THE ARCHAEOLOGY OF AFRICA**

Organizer: Michael CHAZAN

Abstract: Rapid advances in digital technology are leading to widespread adoption of methods of documentation and analysis. These developments have an impact at every scale of research from the regional to the microscopic. For example, the reduced cost and ease of use of photogrammetry is changing the way many projects are able to document the process of excavation and drones are providing a new perspective on the wider landscape. Artifact analysis increasingly draws on 3D imagery including scanning and advanced applications of microscopy. Researchers active in African archaeology report on innovative applications of digital technology and explain how these applications are changing the way that we think about the archaeological past. Presentations may focus on research at any scale, may include projects that attempt to incorporate new technologies into community engagement and pedagogy, and may consider the ethical implications of adopting new technologies as well as issues related to open access to data.

*MONDAY, LATE AFTERNOON* starting 17.00 (5 p.m.)

This symposium will take place alongside the opening reception, and feature a variety of presentation formats (poster, demonstration, virtual reality).

**ME0801 Ceramics from the northern Horn of Africa: A tool for collaboration**  
Rachel MOY

**ME0802 Digital archaeology and heritage in Kondoa, Tanzania**  
Kathryn RANHORN

**ME0803 The Zamani Project : African cultural heritage and landscape database**  
Heinz RUTHER