

# ESHE 2020 Conference Schedule

## Thursday 24. September 2020

1 pm to 1.30 pm (CET) Opening of the Conference  
(and the general assembly) in Google Meet

**Break**

1:45 pm to 2:30 pm — Moderated Live Discussion 1 (Google Meet)

**Session Chair: Marie Soressi**

Hilary Duke et al.	New evidence for the emergence of early Acheulean Technology at Kokiselei 6 in West Turkana, Kenya	
Vivian Slon et al.	DNA from Paleolithic sediments at Sefunim Cave, Israel	
Katerina Harvati et al.	Apidima 1 and the early dispersal of <i>Homo sapiens</i> out of Africa	
Graeme Barker et al.	Unravelling the chronology and character of Neanderthal and Modern Human use of Shanidar Cave, Iraqi Kurdistan	
Yossi Zaidner et al.	Tinshemet Cave Project: Exploring a new Middle Paleolithic human fossil site in Israel	
Pere Gelabert et al.	Metagenomes and ancient human lineages from a pre-LGM layer of Satsurbliia cave in the Caucasus	
Costantino Buzi et al.	Digital techniques applied to a Neanderthal skeleton still preserved <i>in situ</i> : the case-study of Altamura (Bari, Italy)	
Jordy Didier Orellana Figueroa et al.	A Proof of Concept for Machine Learning-Based Virtual Knapping	
Claudio Tennie et al.	Further evidence for a late onset of cumulative culture: Ape cultures do not require copying of know-how	
Alejandra Pascual-Garrido et al.	Archaeological signatures of chimpanzee perishable technology reveal the behaviour of the tool-makers	

**Break**

2:45 pm to 4 pm — Unmoderated Live Session

### Gather Town

So as to foster interactions with the other conference participants we created a virtual gathering space. You can move your little avatar with the arrow keys, and once you get close to other avatars, a video chat starts. Participants can also share their screen to show their poster, or some figures.

We have grouped posters and presentations and by themes and assigned these groups to areas on our virtual map marked by landmarks (handaxe, skull, tooth, ...). These areas are meant as starting points. If you are a presenter we suggest staying near these landmarks for the first 20 minutes so that others know where to find you — however, please feel free to wander around and explore. Bear in mind that this is both a technical and social experiment, so we will have to work this out together. You can log into gather.town here: [It works best using Chrome as a browser](https://gather.town). Please read the detailed instructions on how best to use Gather Town at the bottom of this program.



**Meeting Place in Gather.town: Skull**

	Antonietta Del Bove et al.	Automatic detection of sexual dimorphic traits in the human cranium	
	Carolin Röding & Liane Giemsch	Virtual cranial reconstruction and paleopathological reanalysis of an Early Iron Age skeleton from Frankfurt/Main	
	Manon Bouvier et al.	Variation pattern of the imprints of the middle meningeal vessels in extant human endocasts	
	Judith Beier et al.	Prevalence of Cranial Trauma in Upper Paleolithic Humans	
	Tommaso Mori et al.	Virtual reconstruction and geometric morphometric analysis of the mid-Pleistocene hominin KNM-OG 45500 (Olorgesailie, Kenya)	

**Meeting Place in Gather.town: Monkey in the Rainforest**

	Nicole D.S. Grunstra et al.	Pleistocene differentiation in a successful generalist primate: evidence from modern cranial morphology in longtailed macaques	
	Ghislain Thiery et al.	Spatial and temporal variations of the diet in <i>Mesopithecus</i> (Colobinae, Primates) from the late Miocene of southeastern Europe	
	Nina Oberklammer et al.	Upper Premolar Crown Variation in Great Apes	
	Hester Hanegraef et al.	Are subspecies of African apes morphologically distinct? Evidence from the maxilla	
	Florian Bouchet et al.	Orientation and proportions of the carotid canal in <i>Epipliopthecus</i> and <i>Pliobates</i>	
	Christos A. Plastiras et al.	Deciphering the feeding ecology of <i>Dolichopithecus</i> : Insights from Dental Microwear Textural Analysis and Dental Topography	
	Alejandro Romero et al.	Delayed acquisition of adult feeding behaviour in the great apes – Implications for inferring the dietary niche of fossil hominins	

**Meeting Place in Gather.town: The Tree of Ice**

Antonio Profico et al.	Cortical bone distribution in the femoral diaphysis and its relationship to activity level	
Mathilde Augoyard et al.	Do dentine and cortical bone thickness covary in humans? The influence of age and sex assessed in a modern sample and the condition of Neandertals	
Laura Piqué-Fandiño et al.	Sex ratio in the Baka Pygmies	
Fotios Alexandros Karakostis & Katerina Harvati	A novel and validated avenue for behavioral reconstructions in the fossil record: a critical presentation of new interdisciplinary evidence	
Paul D. Bons & Catherine C. Bauer	The rich dynamics of hominin evolution in low population-density corridors between more densely populated areas	

**Meeting Place in Gather.town: The Giant Tooth**

Paola Cerrito et al.	Parturitions, menopause, illnesses and other physiological stressors are recorded in dental cementum microstructure of humans and rhesus macaques	
Yasmina Avià et al.	Can dental topography infer the diet of two of the most controversial extinct cercopithecine species in the South African Plio-Pleistocene?	
Beatriz Gamarra et al.	Dental morphological analysis of Holocene Iberian populations: the utility of enamel dentine junction in population dynamics	
Annabelle-Louise Lockey et al.	Quantification of hypoplasia depth in Neandertal and Upper Palaeolithic modern human molars	
Sofwan Noerwidi et al.	<i>Homo sapiens</i> dental variability during the Holocene in Western Indonesian archipelago	
Sarah Fung et al.	A functional analysis of Carabelli trait in Australian Aboriginal dentition	
Jinyoung Lee et al.	Functional wear in the Aboriginal from Yuendumu: A longitudinal study	
Petra Šimková et al.	Deciduous second molar morphological variation in the Baka pygmies, Cameroon	

**Meeting Place in Gather.town: Volcano Island**

	Guillermo Zorrilla-Revilla et al.	Like father like son. Long legs and wide hips also reduce the cost of locomotion in subadults	
	Olalla Prado-Nóvoa et al.	Carrying for free? Testing the human capability of load transport without added costs	
	Carlotta Zeppilli et al.	Quantifying the lateralization in the upper limb of historical human populations: a detailed study of the cortical bone distribution in the humeral diaphysis	
	Maria Mednikova	Concerning macro- and micromorphological variability of fossil human distal phalanges from Pleistocene Altai caves	
	Emma E. Bird et al.	Internal bone architecture in the capitate of extant hominids	
	Ana Bucchi et al.	Carpal modularity in African apes and modern humans	
	Aroa Casado et al.	The insertion sites of the palmar radiocarpal ligaments in <i>Australopithecus afarensis</i>	
	Annapaola Fedato et al.	Pattern of phalanx flexion during Lower Paleolithic tool haptic exploration	

**Meeting Place in Gather.town: The Giant Foot**

	Amélie Beaudet et al.	Vertebral trabecular bone structure in <i>Homo</i> , <i>Pan</i> and <i>Papio</i> : implications for the identification and biomechanical interpretation of early hominin vertebrae	
	William Irvin Sellers & Eishi Hirasaki	A bio-robotic solution to achieve targeted hand and foot placement in primate musculoskeletal simulation experiments	
	Sandra A. Martelli et al.	The postnatal ontogeny of the modern hominoid lumbar vertebral morphology – insight into the development of postcranial sexual dimorphism	
	José María López-Rey Pérez et al.	Covariation between mineralized area and shape of the rib cross section in <i>Homo sapiens</i> and <i>Pan troglodytes</i> : implications for the interpretation of <i>Australopithecus africanus</i> Sts-14 ribcage	
	Marine Cazenave & Amélie Beaudet	Hip joint loading differences between <i>Paranthropus robustus</i> and <i>Australopithecus africanus</i> revealed by the cortical bone distribution at the femoral neck	

Daniel García-Martínez et al.	Evolutionary development of the Homo antecessor scapulae (Gran Dolina site, Atapuerca) from a 3D geometric morphometrics approach	
Anneke H. van Heteren & Samuel J. Leeming	“Footedness” in orangutans: A Geometric Morphometric approach to understanding lateralisation in Great Apes	

**Meeting Place in Gather.town: The Handaxe**

Lavinia Stancampiano et al.	Reconstruction of vegetation and habitat at an early Acheulean site using leaf-wax lipids and isotopes: Thiongo Korongo (Olduvai Gorge, Tanzania)	
Jonathan S. Reeves et al.	Why foraging ecology matters for understanding the origin of culture in the Oldowan archaeological record: Insights from Kanjera South	
Niguss G. Baraki et al.	Reduction intensity in Oldowan Assemblages: Perspectives from BD 1 at Ledi-Geraru, Ethiopia	
Abay Namen et al.	Preliminary results of the first lithic raw material survey in the piedmont zones of Kazakhstan	
Julien Favreau et al.	Multi-Analytical Study of Quartzitic Outcrops at Oldupai Gorge (Tanzania): Implications for Artifact Sourcing	
Irene Megía García et al.	Typo-technological analysis of a bifacial stone tool from Cueva de los Toriles (Carrizosa, Castilla-La Mancha, Iberian Península) and its importance as a new Acheulean site from the Southern Iberian Plateau	
Flavia Venditti et al.	An integrated techno-functional study discloses chopping tools use at late Acheulean Revadim (Israel)	
Andion Arteaga-Briebe et al.	The lithic assemblage of the Gran Dolina-TD10.2 kill-butcher site (Sierra de Atapuerca, Spain)	

**Meeting Place in Gather.town: Saber-toothed cat**

Phil J. Glauberman et al.	Areni 1 and 2: two new Lower Paleolithic cave sites with core and flake lithic assemblages and faunal remains in Armenia	
Aristeidis Varis et al.	Preliminary results of the first geoarchaeological analysis of cave sediments from Kazakhstan	
Li Li et al.	An updated review of the fracture mechanics of flaking and its implications for hominin behavior	

Alba Motes Rodrigo & Claudio Tennie	The origins of modern human cultural know-how	
María Silva-Gago et al.	A preliminary survey on visual attention and stone tools	
William Daniel Snyder et al.	Raw material selection and blank standardization in knapping experiments	

**Meeting Place in Gather.town: The Reindeer**

Eva F. Martellotta et al.	Retouch-induced marks on Australian hardwood boomerangs: A preliminary analysis	
Joannes Dekker et al.	Zooming into the point. ZooMS identification of Mesolithic bone points made with human bone	
Silvia Florindi et al.	Evolutionary challenges in Gravettian diet. Experimenting the processing of oat	
Zineb Moubtahij et al.	Exploring the diet of the Late Pleistocene population from Taforalt (Morocco, North Africa) using Zn, C, N and Sr isotope ratios	
Alice La Porta et al.	Ergonomic strategies and Hierarchical Task Analysis (HTA) of human hand during stone tool production	
Miguel Angel Dilena	Clustering Archaeological Evidence: A Statistical View Point	
Ana Belén Galán López et al.	Emorph Project: Reconstructing mobility patterns of <i>Rangifer tarandus</i> during the Late Pleistocene in Southwestern France	

**Meeting Place in Gather.town: The Mammoth**

Marta Modolo et al.	Attesting Neanderthal Dwelling Space Use: effects of human occupations in the Middle Palaeolithic record of Fumane cave (Verona, Italy) — ANDSU Project	
Daniela Maio	Neanderthal occupations in Southwestern Portugal: Predictive Models using GIS	
Patrick Cuthbertson et al.	Predictive Modelling and Survey of Karstic Caves in the area of the Inner Asian Mountain Corridor in Kazakhstan	
Laurent Bruxelles et al.	Searching for new pieces of the Cradle of Humankind in Southern Africa: HON and HOMME research programs	

Ashleigh L. A. Wiseman et al.	Early American colonisation: Life on the White Sands National Park playa in the Pleistocene	
Alain Queffelec et al.	Peer Community In Archaeology - A new system for peer-reviewing of preprints	
Perle Guarino-Vignon et al.	Genetic continuity between ancient and recent populations in Central Asia	
Miguel Ángel Moreno-Ibáñez	Reopening a grave: Preliminary taphonomic results of the human remains from the Roc de les Orenetes site (Queralbs, Spain)	

**Meeting Place in Gather.town: The Fire**

Lauren M. Franklin	Continuity and Change in Hominin Technological Behavior at Tabun Cave, Israel	
Cyrielle Mathias et al.	The Middle Paleolithic sites of Brive-Laroche-Aérodrome and their lithic assemblages: a new key-site for the understanding of Neanderthal movement dynamics and technical behavior in Southwestern France	
Firas Jabbour et al.	Stone Artifacts of Aghitu-3 Cave and a Spotlight on the Earliest Modern Human Behaviors in Armenia	
Peter Morrissey et al.	The stratigraphy of Cave 1B at Klasies River Main site, South Africa: clarifying the context of the KRM 41815 human mandible	
Donald O. Henry & Miriam Belmaker	Evolution of Lithic Technological Systems: Exploring Trend, Tempo and Mode	
Davide Delpiano & Thorsten Uthmeier	Techno-functional and 3D shape analysis applied for investigating the variability of backed tools in the Late Middle Paleolithic of Central Europe	
Lucy Timbrell et al.	Incorporating structure into demographic models of the deep past: a case study from Late-Middle Pleistocene Africa	
Cristina Gameiro et al.	The use of quartz during the late Upper Palaeolithic of central Portugal	
Ana Abrunhosa et al.	Comparing lithic raw material procurement strategies during MIS5 to MIS3: the cases of Navalmaillo Rock Shelter, Buena Pinta Cave and Des-Cubierta Cave (Madrid, Spain)	
Guillaume Guérin et al.	Is the Quina Mousterian from Chez Pinaud (Jonzac) really the oldest Quina in South West France? Bayesian analysis of OSL data	



	Marc Dickinson et al.	Amino acid dating of mammalian tooth enamel and its potential for building geochronologies in Africa	
	Fiona Laviano et al.	Neanderthals possibly persisting later than thought	

4 pm to 4:45 pm Moderated Live Session 2 (Google Meet)

**Session Chair: Philipp Gunz**

Lisa Genochio et al.	The development of bite force resistance in modern humans	
Adam van Casteren et al.	Quantifying the energetic cost of chewing in humans and its evolutionary significance	
Hannes Rathmann & Hugo Reyes-Centeno	The utility of different dental traits and trait combinations for inferring human population history	
Barbara Fischer et al.	Patterns of sex differences in the pelvis did not evolve <i>de novo</i> in modern humans	
Ekaterina Stansfield et al.	Biomechanics of the pelvic floor constrains the evolution of the human pelvis: A finite element approach	
Zachary Cofran et al.	Morphology and maturation of the <i>Homo naledi</i> ilium from the Lesedi Chamber	
Philipp Gunz et al.	<i>Australopithecus afarensis</i> endocasts suggest protracted brain growth	<a href="#">[A]</a>
Jean-Pierre Changeux et al.	A connectomic hypothesis for the hominization of the brain	
Simon Neubauer et al.	Ontogenetic changes of endocranial shape asymmetry in humans and apes	
Christine Charvet	Translating time from transcriptional and structural variation reveals conservation in brain development across humans and chimpanzees	
Orlin S. Todorov et al.	Is human brain organization economical?	

**Friday 25. September 2020**

1 pm to 1.45 pm (CET) — Moderated Live Discussion 3 (Google Meet)

**Session Chair: Amanda Henry**

	Chloë Bartlet et al.	Resolving the timescale of South-Central African palaeoenvironments and their impact on human behaviour and evolution	
	Teresa Steele et al.	Life in the margins: the pre-Still Bay deposits from Varsche Rivier 003, southern Namaqualand, South Africa	
	Eslem Ben Arous et al.	An improved chronology of the Middle Stone Age in El Mnasra cave, Northwestern Africa	
	Jacopo Niccolò Cerasoni et al.	Pleistocene archaeology and tropical paleoecology in West Africa: Preliminary results from fieldwork in Ivory Coast, Benin and Nigeria	
	Geoff M. Smith et al.	Subsistence behaviour during the Initial Upper Palaeolithic of Bacho Kiro Cave (Bulgaria): zooarchaeological and taphonomic analysis across the Middle to Upper Palaeolithic transition	
	Tsenka Tsanova et al.	The Initial Upper Palaeolithic lithic assemblage from Bacho Kiro Cave (Bulgaria)	
	Emily Coco et al.	The Effects of Secondary Recycling on the Technological Character of Lithic Assemblages	
	Pedro Horta et al.	Intensive re-use of stone tools as bipolar implements in the Initial Upper Paleolithic of Bacho Kiro Cave	
	Wil Archer et al.	Quantifying differences in hominin flaking technologies with 3D shape analysis	
	Jean-Jacques Hublin	<i>Homo sapiens</i> dispersals into Europe in light of the Bacho Kiro Cave results	
	Marco Peresani et al.	At the cross-road of Mediterranean Europe. The human peopling of the Great Adriatic-Po Region during the Last Glacial Maximum	
	Fulco Scherjon et al.	Modelling Late Pleistocene hominins in Western Europe	

**Break**

2 pm to 3 pm — Unmoderated Live Session 2 (Gather Town)

Please log into our virtual gathering here:

3 pm to 3.45 pm — Moderated Live Discussion 4

**Session Chair: Shannon McPherron**

Femke Reidsma	Footprints of Fire: fundamental research into the effect of diagenesis on heated bone and its implications for the study of fire use in the deep past	
Vera Aldeias et al.	An Interdisciplinary Micro-Contextual Laboratory Excavation of Fire Residues from Pech de l'Azé IV (Dordogne, France)	
Cruz Ferro-Vázquez et al.	A systematic colourimetric method for identifying heated substrates in archaeological sites	
William Murphree et al.	The Evolution of Pyrotechnology in the Early and Middle Upper Paleolithic in Europe	
Justin Pargeter et al.	Understanding the Stone Age economics of heat treated silcrete	
Dafne Koutamanis et al.	Pleistocene prey and predators: calcium isotopes as a tool for trophic web reconstruction, applied to Australian megafauna	
Hervé Bocherens et al.	Out of Savannahstan: Multiproxy evidence on fauna (stable isotopes, ecometrics, tooth mesowear, small vertebrates) from the oldest hominin sites in Southwestern Europe	
Kevin T. Uno et al.	Combining fossil enamel stable isotopes and dental microwear texture analysis to assess dietary niche-partitioning among primates ( <i>Cercopithecidae</i> and <i>Hominidae</i> ) from the Lower Omo Valley, Ethiopia	
Anastasia Nikulina et al.	Multiproxy approach for studying hunter-gatherer landscape transformations during the Last Interglacial (Eemian) and the Mesolithic in Europe	
Clément Zanolli et al.	Molar enamel thickness distribution and hominid taxonomy	
Flavio Altamura et al.	Ongoing ichnological research at the 300 ka Schöningen archaeological site (Germany)	
George Konidaris & Vangelis Turloukis	Early and Middle Pleistocene large carnivore guilds of Europe and their role in the evolution of hominin subsistence strategies:	

	an ecomorphological and behavioral approach	
Matt Pope et al.	The Boxgrove Horse Butchery Site In Context: Detailed Site Taphonomy and Landscape Scale Interpretation of Middle Pleistocene Hominin Behaviour	
Alastair Key & Stephen Lycett	Thinning, resharpening, and tranchet flake removals: how torque creation and force variation along the cutting edges of handaxes may have influenced Acheulean tool production practices	

**Break**

**4 pm to 5 pm General Assembly, Election Results**

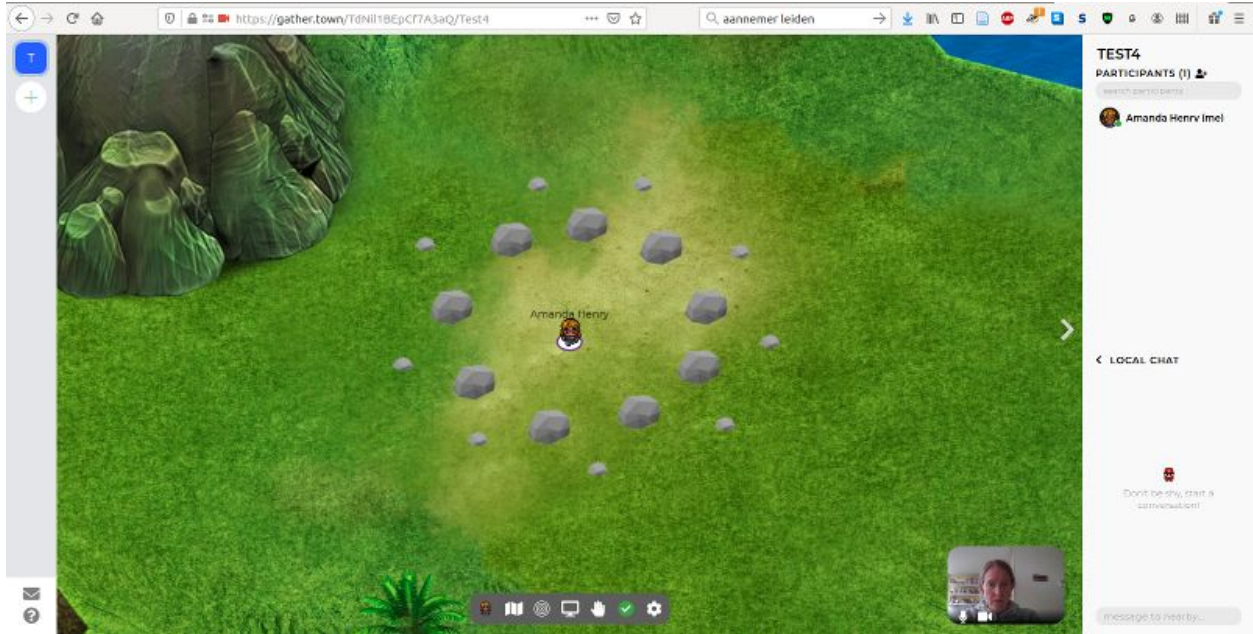
ESHE members are cordially invited to take part in the virtual general assembly.

It is 5 pm: virtual drink and student prizes

**Instructions for Gather Town**

Open the website in Google Chrome. For best results, you will need a camera and microphone. If you do not have any, you should still be able to use the 'local chat' function to discuss with presenters, but some of the ease of conversation will be lost.

Log into Gather Town using your full name (first and last) so that people can find you. Once you see this screen, you use the arrow keys to move your avatar around on the map.



The top right side of the screen shows the other participants. If you click on someone's name, you can find them, and a line indicating the fastest route to that person will appear.

At the bottom right is a chat area. You can choose a local chat (only those people near you will see the conversation) or a global chat (everyone will see what you say). Please use the local chat as a general rule.

Across the bottom middle is a small grey menu bar. From the left,

- The first icon is your avatar. If you click on this you can change the appearance of your avatar.
- The second icon (folded paper) is a global map, so you can see where the meeting areas are.
- The third icon (the bullseye) is your interaction radius. Clicking on it changes the range at which you will see someone in the video. **IMPORTANT!** Please reduce this radius to two rings at most; otherwise you may inadvertently join conversations.
- The fourth icon (the computer screen) is the option to share your screen. Please note this function is still in beta and may not work for all systems.
- The fifth icon (the hand) is to signal a question. This function may be helpful if you end up in a large conversation.
- The sixth icon (the gear) opens the settings tool, where you can log out, change your camera and audio selections, and, if necessary "respawn" (respawning resets your avatar's position to the center of the map in case you get stuck somewhere).

As you get near to other avatars, the video and sound from that person will appear across the top of your screen. The wider you have your interaction radius set, the more people you can interact with at the same time.