



Tarragona, Spain
4th-7th October, 2021
CEST Time Zone



Rock and Roll: 13th International Symposium on Knappable Materials

Multi-scalar
Characterization
of Raw Materials

DEAR COLLEAGUES

Rock and Roll: 13th International Symposium of Knappable Materials is oncoming, and we are pleased to present the Final Program brochure*.

Parallel sessions with different communications will ensure the on-line participation and development of this 13th edition.

Soon you will receive a link to the 13th ISKM Platform, where you will find the pertinent and automatic access to the contents that interest you.

An extremely intuitive tool will allow you to assist to the different sessions/presentations (developed on Zoom), posters, videos, and virtual trips, hoping you enjoy as much as possible this virtual edition.

We can not wait to see you all!

The 13th Organizing Committee

*Schedule is organized according CEST Time Zone.

The program has been adjusted as much as possible to ensure the 'direct' participation of everyone, but unfortunately there will be some time zone mismatches. You will receive further instructions on how to proceed in case you can not assist to your scheduled presentation.

MAP OF SESSIONS

MONDAY 4th OCTOBER	9.00 - 9.30	Welcome - ISKM Committees & Sponsors		
	9.30 - 12.30	Session 4. Understanding Non-Flint Raw Materials. Characterization and Technological organization	9.30 - 12.30	Session 10. 3D-Based Approaches to Lithic Tools
	16 - 18.45	Session 1. Multi-Scalar Approaches to Raw Materials Characterization	16 - 17.15	Session 9. Lithic Technology during Holocene and Historical Times
			17.15 - 18.00	Session 14. Assessing Raw Material Influence on Lithic Artifact Modifications
TUESDAY 5th OCTOBER	9 - 11.25	Session 2. Lithoteques and Field Surveys: An Idea-Sharing Session	9 - 11.25	Session 3. Spectroscopic Techniques for Raw Material Analysis
	16 19.05	Session 8. Lithic Technology and Evolution	16 19.05	Session 11. Knapping tools and Techniques for Comparative Studies
WEDNESDAY 6th OCTOBER	9 - 11.25	Session 7. Re-Thinking the Concept of Embedded Versus Direct Lithic Procurement		
	11.25 - 12.45	Session 6. Quarries as Extractive and Initial Transformation Contexts of Raw Materials in Prehistoric Times	11.55 - 13	POSTER 1 SESSIONS 1-8
	16 - 19.05	Session 15. Practical, Social, and Symbolic Aspects of Stone Raw Materials	16 - 19.05	Session 5. Raw Material Procurement Areas and Strategies
THURSDAY 7th OCTOBER	9.30 - 12.30	Session 13. New methodologies for the study of prehistoric tools	9.30 - 12.30	Session 12. Use-Wear Analysis: The Same Protocols for Different Materials
	16 19.05	Session 16. The People Behind the Tools	17.35-19.05	POSTER 2 SESSIONS 9-16
	19.05- 19.35	13th ISKM CLOSING		

MONDAY, 4th OCTOBER

9.00 - 9.30	Welcome - ISKM Committees & Sponsors			
9.30 - 12.30	Session 4. Understanding Non-Flint Raw Materials. Characterization and Technological organization		9.30 - 12.30	Session 10. 3D-Based Approaches to Lithic Tools
9.30 - 9.35	Welcome- Session Organizers		9.30 - 9.35	Welcome-Session Organizers
9.35 - 9.55	Diachronic and geographic variability of the procurement and management of non-flint raw materials in the Cantabrian Region: Characterisation and technological organisation of quartz and quartzite in the layers XXII-R of El Esquilleu (Cantabria) and Valve	Prieto et al.	9.35 - 9.55	Artefact orientations and site formation processes at Madjebebe, northern Australia Thompson et al.
9.55 - 10.15	Evaluating non-flint lithic resources management in the Aquitaine basin during the Upper Palaeolithic using a multi-proxy analysis: a Late Solutrean case application (Landry, Dordogne, France)	Villeneuve et al.	9.55 - 10.15	Late Pleistocene flaked artefact morphometry and technology at Mau A, northern Vietnam Habedank et al.
10.15 - 10.35	Techno-economy of lithic raw materials in Piedmont (north-western Italy) during Palaeolithic. A first lifelike scenario.	Daffara et al.	10.15 - 10.35	The analysis of artifacts' stratification through a 3D-based methodology Zangrossi et al.
10.35 - 10.45	BREAK		10.35 - 10.45	BREAK
10.45 - 11.05	Quartz-schist industries of the Arctic and Subarctic Zones of the North of the Western Siberia.	Tupakhin et al.	10.45 - 11.05	The DISAPALE project: a web repository for 3D-models of lithic artefacts Di maida, G.
11.05 - 11.25	A technological approach to an early Holocene quartz knapping pile at the Ravin Blanc X site (Falémé river valley, Eastern Senegal)	Pruvost et al.	11.05 - 11.25	Identifying and quantifying morphological separation between blade and bladelet productions through 3D shape analysis Falucci et al.
11.25 - 11.45	Crystal, jasper, hornfels, quartz, quartzite, and rhyolite: particle size distribution analysis for southern Africa rocks and knapping methods	De la Peña et al.	11.25 - 11.45	SESSION 10 DISCUSSION
11.45 - 12.05	Early-Middle Pleistocene Raw Material Sourcing at Engaji Nanyori (Oldupai Gorge, Tanzania)	Favreau et al.		
12.05 - 12.30	SESSION 4 DISCUSSION			

MONDAY, 4th OCTOBER

16 - 18.45		Session 1. Multi-Scalar Approaches to Raw Materials Characterization		16 - 17.15		Session 9. Lithic Technology during Holocene and Historical Times	
16 - 16.05	Welcome- Session Organizers			16 - 16.05	Welcome-Session Organizers		
16.05 - 16.25	Multi-scalar Variation in Chert Provenance Research		Rayan Parish	16.05 - 16.25	Between the Neolithic and the urban revolutions: Aspects of change in techno-typology of sickle blades		Katia Zutovski
16.25 - 16.45	NM-PCI: A MULTIPARAMETRIC AND MODULAR APPROACH TO CHERT ANALYSIS		Eramo et al.	16.25 - 16.45	Comparative Studies of lithic assemblages from hunter gatherers of South-Center Patagonia, Argentina.		Sacchi et al.
16.45 - 17.05	MOBILITHICS: A multi-scalar project for characterizing the stone resources exploitation in Eastern Morocco.		Soto et al.	16.45 - 17.05	Spatial Analysis and Lithic Technology during the last 1000 years BP: The case of Bajo de la Laguna 2 and Cerro Bayo 2 sites, Santa		Bozzuto et al.
17.05 - 17.15	BREAK			17.05 - 17.15	BREAK		
17.15 - 17.35	Raw Material Use in a Changing Landscape: Understanding Neanderthal Flint Procurement at La Cotte de St. Brelade, Jersey		Mills et al.	17.15 - 18.00	Session 14. Assessing Raw Material Influence on Lithic Artifact Modifications		
17.35 - 17.55	Mechanical properties of the lithic raw materials from the Inner Asian Mountain Corridor of Kazakhstan		Namen et al.	17.15-17.20	Welcome- Session Organizers		
17.55 - 18.15	Prehistoric flint artefacts and raw materials in Bulgaria through reliable multi-aspect analytical techniques		Gurova et al.	17.20-17.40	Documenting 15 years of post-depositional surface modifications to experimental chert artifacts buried in a vertic soil		Smallwood et al.
18.15 - 18.45	SESSION 1 DISCUSSION			17.40-18.00	Differential use of the raw materials in funerary contexts during the III millennium BC in the Northeast of Iberian Peninsula		González-Olivares & Emens-Aranas
				18.00-18.20	Morphological taphonomic effects produced by trampling. An experimental assessment on different lithic raw materials		Weitzel et al.
				18.20-19.00	SESSION 9 & 14 DISCUSSION		

TUESDAY, 5th OCTOBER

9 - 11.25	Session 2. Lithoteques and Field Surveys: An Idea-Sharing Session		9 - 11.25	Session 3. Spectroscopic Techniques for Raw Material Analysis	
9 - 9.05	Welcome- Session Organizers		9 - 9.05	Welcome-Session Organizers	
9.05 - 9.25	Atlas of rocks – an open access online lithoteca of siliceous rocks of the Institute of Archaeology and Ethnology PAS	Bulawka et al.	9.05 - 9.25	Non-destructive, multi-spectral, characterization of quartzite points in Northern Sweden	Sjölander et al.
9.25 - 9.45	The Leswika geodatabase: a rock and colouring materials library in southern Africa	Mauran et al.	9.25 - 9.45	Non-destructive chemical analysis and use-wear of a Palaeolithic “lissoir” from Hort de Cortés- Volcán del Faro (Cullera, València).	Vadillo Conesa et al.
9.45 - 10.05	Results on geo-archaeological surveys in inland Iberia: new data on chert catchment analyses during the Late Pleistocene	Sánchez de la Torre et al.	9.45 - 10.05	Non-destructive techniques to analyse talc pieces from La Peña del Castro (León, Spain): VNIR-SWIR spectroradiometry	Herrero Alonso et al.
10.05 - 10.15	BREAK		10.05 - 10.15	BREAK	
10.15 - 10.35	First Evidence of Acheulean Industries in the Ferdows plain. East of Iran	Sadraei et al.	10.15 - 10.35	A non-destructive archaeometric approach for the characterisation and provenance study of the siliceous lithic assemblage from La Calvera rock-shelter (Camaleño, Spain)	Ramaciotti et al.
10.35 - 10.55	Lithic Tools from the South Koel river Basin, Sundargarh District, Odisha, Eastern India: A Brief Reappraisal	Priyanka Mandal	10.35 - 10.55	Connecting arrowheads: Information’s differential transmission in the transition to the Bronze Age	Jimenez Puerto et al.
10.55 - 11.25	SESSION 2 DISCUSSION		10.55 - 11.25	SESSION 3 DISCUSSION	

TUESDAY, 5th OCTOBER

16 19.05	Session 8. Lithic Technology and Evolution		16 19.05	Session 11. Knapping tools and Techniques for Comparative Studies	
16 - 16.05	Welcome-Session Organizers		16 - 16.05	Welcome-Session Organizers	
16.05 - 16.25	Territoriality through lithics? A case study based on triangular flakes from Amud and Kebara Caves	Krakovsky et al.	16.05 - 16.25	Revisiting the 'quartz problem' in lithic studies: a new, experimental and open-access dataset	Spry et al.
16.25 - 16.45	Documenting Patterns and Processes of Evolutionary change in the mid-Holocene Lanceolate Points of the South American Highlands	Muscio & Cardillo	16.25 - 16.45	In between methods: a Machine Learning approach to Levallois, Discoid and intermediate systems	Bustos-Perez et al.
16.45 - 17.05	Simulation and the Identification of Archaeologically-Relevant Units of Analysis in the Study of Prehistoric Cultural Transmission	Raven Garvey	16.45 - 17.05	Variability of microscopic manufacturing traces on the butt of stone tool implements: an experimental approach	Takakura, J.
17.05 - 17.15	BREAK		17.05 - 17.15	BREAK	
17.15 - 17.35	Geometric morphometrics as a relevant and effective method for the study of lithic artefacts in Brazilian Archaeology	Araujo et al.	17.15 - 17.35	On the function and technology of Proto-Solutrean Vale Comprido points. First experimental steps towards an understanding of impact fractures	Castillo-Jiménez et al.
17.35 - 17.55	Cultural Transmission and Appearance of Stemmed Points during the Late Paleolithic in Korea	Gayoung Park	17.35 - 17.55	On knapping pebbles. Impact of pebble morphologies on debitage initialisation and differences with ramification processes	Mathias et al.
17.55 - 18.15	Bayesian inference of material culture phylogenies using continuous traits from the archaeological record: a fossilized birth-death model for Late Neolithic/Early Bronze Age arrowheads from Northwestern Europe	Marwick et al.	17.55 - 18.15	Knapping on the edge: Burin-core technology in the Magdalenian of Cova Gran de Santa Linya (SE Pyrenees)	Sánchez-Martínez et al.
18.15 - 18.35	Projectile weapons before the bow: metric data from the southern Andes, 30–34°S	Marsh et al.	18.15 - 18.35	Stigma discrimination of the use of iron hammers in the production of flakes. The case of the Pla de la Guitarra D'en Roig (Ulldemolins, Tarragona)	Minguell et al.
18.35 - 19.05	SESSION 8 DISCUSSION		18.35 - 19.05	SESSION 11 DISCUSSION	

WEDNESDAY, 6th OCTOBER

9 - 11.25	Session 7. Re-Thinking the Concept of Embedded Versus Direct Lithic Procurement			
9 - 9.05	Welcome- Session Organizers			
9.05 - 9.25	The Lower Paleolithic "holy triad" - elephants, water and stone sources	Finkel & Barkai		
9.25 - 9.45	Waste not, want not: stone procurement and reuse in Australian and African ethnography	Douglass et al.		
9.45 - 10.05	Novel raw material selection and use strategies in the Middle Pleistocene: looking at social and symbolic meanings of technological innovations	Francesca Romagnoli		
10.05 - 10.15	BREAK			
10.15 - 10.35	A game of two halves: looking for evidence for both embedded and direct procurement in a simulated dataset.	Wilson & Mears		
10.35 - 10.55	Re-framing embedded lithic procurement	Pop & Agam		
10.55 - 11.25	SESSION 7 DISCUSSION			
11.25 - 12.45	Session 6. Quarries as Extractive and Initial Transformation Contexts of Raw Materials in Prehistoric Times			
11.25-11.30	Welcome- Session Organizers			
11.35-11.55	Quarrying activities on Serra Llarga hills: procurement and distribution of Castelltallat Fm flint in NE Iberia	Terradas & Ortega		
11.55-12.15	The primary exploitation of Armorican Quartzite at the Costa Grande workshops and Valverde site (Monforte de Lemos, Galicia, NW Spain).	de Lombera-Hermida et al.	11.55 - 13	POSTER 1 SESSIONS 1-8
12.15-12.45	SESSION 6 DISCUSSION			

POSTER 1 SESSIONS 1-8

SESSION	TITLE	AUTHOR
SESSION 1	Tracing Palaeolithic human routes through the geochemical characterization of chert tools from Caune de Belvis (Aude, France)	Sánchez de la Torre et al.
	Past and Present: Raw material identification approaches at Umhlatuzana rockshelter, South Africa	Sifogeorgaki et al.
	A petrographic characterization study of the granite sources from the site of Mahal Teglinos K1 in the Kassala area of Eastern Sudan.	Marsilio & Manzo
	Subdivision of lithic raw materials with specific gravity: Interim results of method and validity	Saki Murase
SESSION 2	We were not the only searchers: Surveying “Tertiary quartzites” in the Lower-Middle Rhine	Prieto et al.
	SiLiBA: BUILDING THE GEOLOGICAL CHERT LITHOTEQUE	Fioretti et al.
SESSION 4	Quartzite management during the Middle and Upper Palaeolithic in Cova Eirós (Triacastela, Spain)	Aldea-Moreira et al.
	The Palaeolithic assemblages newly discovered at Singarghat of the Shivnath valley of Chhattisgarh, Central India: A preliminary typo-technological analysis	Vaishnav et al.

POSTER 1 SESSIONS 1-8

SESSION	TITLE	AUTHOR
SESSION 5	Distribution and procurement strategies of black obsidian in central-western Santa Cruz province (Patagonia, Argentina)	Cassiodoro et al.
	Polished tools during the Neolithic at the northeast of Iberian Peninsula: Methodological approach to the study of procurement areas of raw materials	Emens-Aranas & González-Olivares
	Lithic raw material procurement and use patterns in the south of Baguales Range: Evidences from Cerro León 3 archaeological site (Santa Cruz Province, Argentina)	Balirán & Borrazzo
	Lithic procurement in the central-southern area of Chile and north Patagonia, Argentina: GIS methodological proposal	Lucero & Mendoza
	Neogene chert exploitation at sub-unit TD10.2 (Atapuerca, Burgos)	Soto et al.
	Chert exploitation and production in Sardinia during the Neolithic	Melosu & Lugliè
SESSION 6	Prehistoric siliceous rocks quarrying in Poland – an outline	Werra et al.
	Primary quarrying at La Gruta locality (Patagonia, Argentina)	Franco & Vetrivano

POSTER 1 SESSIONS 1-8

SESSION	Title	Name
SESSION 8	The moments of levels E and J, MIS11 – La Cansaladeta (Tarragona, Spain): Techno-spatial investigation through refit / conjoin connections with the archaeostratigraphic perspective	Cenk Yeşilova et al.
	Taphonomy of Burned Lithics: An Experimental Approach to Quantifying Potlids by Temperature	Abdolahzadeh et al.
	Evolutionary Theory Applied to the Analysis of Late Holocene Stone Tools from the Lund Archaeological Site, Lagoa Santa, Brazil	Di Gregorio & Moreno de Sousa
	How quartz was splintered: a flake production method in the Early Upper Paleolithic in North China	Atsushi Uemine
	A paradigmatic case of Large Flake Acheulean (LFA) in Western Europe: the techno-typological and geometric morphometry analysis of the flake cleavers assemblage from Casal do Azemel (Leiria, Portugal)	Ferreira et al.
	Late Holocene lithic points from Southern Patagonia: an estimation of Fell IV and V points use-life using experimental data and statistical modelling	Cardillo et al.

POSTER 1 SESSIONS 1-8

SESSION	Title	Name
SESSION 8	The Mesolithic techno-economic lithic complex from Espantalobos (Quicena, Huesca)	Luis Manuel Jiménez
	Palaeolithic Notched Flakes from the Sukhi Valley, Western India	Ajithprasad Pottentavida
	Levallois Technology in Iran: Analysis of assemblages from Cheshmeh-Agha, Farsan and Mirak	Shafizadeh & Marwick
	Tools and humans: thoughts on lithic technology	Sara Cura
	Core-reduction strategies in chert procurement areas during MSA in Eastern Morocco: Sahb el Ghar 1 & 2.1 open air sites	Farkouch et al.
	Connecting lithics: Refits at Gran Dolina TD10.2	Arteaga et al.
	Lithic production adaptations in Epimagdalenian levels of Coveta de la Foia (Vilafranca, Castelló)	Fullola Isern et al.
	The site of Monclova and the early Acheulean in the upper terraces of the Guadalquivir.	Canovas et al.

WEDNESDAY, 6th OCTOBER

16 - 19.05	Session 15. Practical, Social, and Symbolic Aspects of Stone Raw Materials	16 - 19.05	Session 5. Raw Material Procurement Areas and Strategies
16 - 16.05	Welcome-Session Organizers	16 - 16.05	Welcome-Session Organizers
16.05 - 16.25	Metamorphic lithic knives and domestic practices between the 3rd and 9th centuries A.D. in the southern Cumbres Calchaquíes (Tucumán-Argentina). Montegú et al.	16.05 - 16.25	Lithic resources and economic territories during the Gravettian in the western Pyrenees Calvo & Arrizabalaga
16.25 - 16.45	Mundane or Symbolic: Ritual use of Debitage in the Preclassic and Classic period Maya Lowlands Horowitz et al.	16.25 - 16.45	Technological and social strategies for the acquisition and exploitation of long distance lithic raw materials in the Central Pampean Dunefields of Argentina Messineo & Santos Valero
16.45 - 17.05	Developing a multi-proxy approach to distinguish above-ground and below-ground lithic heat treatment methods: preliminary results from actualistic experiments Murray et al.	16.45 - 17.05	Travelin' stones: The oolitic chert blades from Zambujal Chalcolithic enclosure (Torres Vedras, Portugal) Jordão et al.
17.05 - 17.15	BREAK	17.05 - 17.15	BREAK
17.15 - 17.35	Understanding raw material transfers in South Africa's Still Bay (77-70 ka) Mackay et al.	17.15 - 17.35	Stabilizing selection in informal stone artifact technologies and procurement strategies at Talimbue, Sulawesi, Indonesia Craig et al.
17.35 - 17.55	Layers of Memory, Layers of the Past: Collecting and Recycling "Old" Patinated Flaked Items during the Lower Palaeolithic Efrati et al.	17.35 - 17.55	Cherts procurement and exploitation during the Bell Beaker period: New data from Lombardy (northern Italy) and eastern Languedoc (south-eastern France) Matera et al.
17.55 - 18.15	The Ideology and Symbolism of Ancient Maya Chipped Chert and Obsidian Eccentrics from Central Belize: Materials, Contexts, Chronology, and Meaning Stemp et al.	17.55 - 18.15	Mapping procurement areas of lithic resources and mobility patterns: A GIS-based approach to the early colonization of western Mediterranean islands Corona et al.
18.15 - 18.35	Experiments in crystal quartz bipolar knapping Pargeter & de la Peña	18.15 - 18.35	Torre Dell'Alto (Nardò, Lecce): First evidence of long distance provenance of chert Rinaldo et al.
18.35 - 19.05	SESSION 15 DISCUSSION	18.35 - 19.05	SESSION 5 DISCUSSION

THURSDAY, 7th OCTOBER

9.30 - 12.30	Session 13. New methodologies for the study of prehistoric tools	9.30 - 12.30	Session 12. Use-Wear Analysis: The Same Protocols for Different Materials
9.30 - 9.35	Welcome- Session Organizers	9.30 - 9.35	Welcome- Session Organizers
9.35 - 9.55	Exploring the variability of cereal harvesting gloss using confocal microscopy. Ibáñez, Mazzucco et al.	9.35 - 9.55	Of Rock 'n' Bones: Knapping and using long bone fragments at the early Late Pleistocene site of Lingjing, Henan, China Doyon et al.
9.55 - 10.15	Use-wear polishing as a dynamic process: How polish development affects the discrimination of the worked material and allows the identification of the intensity of work. Mazzucco & Ibáñez	9.55 - 10.15	Bone pointed tools from the Hamangia settlement at Cheia (Romania): how and what were they made for? Mărgărit & Voinea
10.15 - 10.35	Techno-functional Analysis of Flint daggers and foliate points from Copper Age Burials near Rome (Italy) Caricola et al.	10.15 - 10.35	Transferability of use-wear identification criteria between raw materials: insights from a blind test Taipale et al.
10.35 - 10.45	BREAK	10.35 - 10.45	BREAK
10.45 - 11.05	Going after the new without reinventing the wheel: on the necessity of learning and teaching different approaches on lithic analysis. Cristina Correa & Gomes de Mello Araujo	10.45 - 11.05	Fracture mechanics and the identification of projectiles: what is the influence of raw material? Coppe et al.
11.05 - 11.25	What were they using these tools for? Preliminary results from Bhandu Qubo, A Harappan site from Sindh, Pakistan. Gadekar et al.	11.05 - 11.25	Microscopic techniques on lithic, bone and shell materials. The analysis of Late Holocene samples from the La Plata Basin, Argentina. Silvestre et al.
11.25 - 11.45	From ceramic manufacture to ways of doing on early neolithic contexts: an approach to pot-forming processes based on technological traces Javier Cámara	11.25 - 11.45	In the Hands of a Neolithic Farmer: A Multiproxy Approach to the Wooden Sickles from the Lakeshore Village of La Marmotta (Rome, Italy) Mazzucco et al.
11.45 - 12.05	Data collection and interpretation based on the use-wear and residue analysis of chipped stone artefacts from Iron Gates (Serbia): choices or necessities of past Petrović et al.	11.45 - 12.05	New approaches in the analysis of Ground Stone Tools. The contribution of 3D modelling, use-wear and residues analyses in understanding Late Mesolithic plant food technology Zupancich et al.
12.05 - 12.30	SESSION 13 DISCUSSION	12.05 - 12.30	SESSION 12 DISCUSSION

THURSDAY, 7th OCTOBER

16 - 19.05	Session 16. The People Behind the Tools	
16 - 16.05	Welcome-Session Organizers	
16.05 - 16.25	Do you grind or scrape? How can techniques inform us on social life and serve as gender indicators?	Houmard & Sidéra
16.25 - 16.45	Identifying Communities-of-Practice and identity formation within the lithic economies of early Elmenteitan herders in southwestern Kenya.	Steven Goldstein
16.45 - 17.05	De-enclosing skill	Manek Kolhatkar
17.05 - 17.15	BREAK	
17.15 - 17.35	Can differential use of raw materials help identify children and adolescents in the archaeological record?	Milks et al.
17.35 - 17.55	Rocky Relations: Skill, Age & Ancestral Affects	Nyree Finlay
17.55 - 18.15	Is it possible to understand information transmission and residence patterns from the archaeological record? Some examples from Patagonia	Nora Franco
18.15 - 18.35	Ontologies of Knappable Bodies and Their Offspring: Session Discussion	Kathryn Weedman Arthur
18.35 - 19.05	SESSION 16 DISCUSSION	
19.05 - 19.35	13th ISKM CLOSING	

17.35 - 19.05

POSTER 2 SESSIONS 9-16

POSTER 2 SESSIONS 9-16

SESSION	TITLE	AUTHOR
SESSION 9	Technology from hunting blinds: a study of lithic assemblages in Late Holocene stone structures from Patagonia (Argentina)	Flores Coni & Cassiodoro
	The drillings of the architectonic elements of Puma Punku and Kantatayita - Tiwanaku: Contributions to experimental archaeology	Ruben Sergio Mamani Roque
	Cal Sitjo: a new Mesolithic to Neolithic sequence in an abundance chert region (Sant Martí de Tous, Barcelona)	Gómez de Soler et al.
	Bolas, projectile points and hunting technologies in Southern Patagonia (Santa Cruz, Argentina) during the Late Holocene	Flores Coni et al.
	Chronological dating of lithic artifacts collected in the lithic raw material source: Test case in Mt. Yugamine, Central Japan	Satsuki Murai
	Lithic procurement strategies and technological trends in the middle-neolithic dwelling structure of Cuccuru is Arrius at Cabras (Sardinia, western Mediterranean)	Melosu & Luglié

POSTER 2 SESSIONS 9-16

SESSION	TITLE	AUTHOR
SESSION 10	Application of high resolution scanning and 3D modeling to the study of late pleistocene/early holocene lithic assemblages from macizo del deseado (Santa Cruz, Argentina)	Delgado et al.
	A 3D approach to measuring reduction intensity on cores: The Volumetric Reconstruction Method	Lombao et al.
	A discussion around the application of 3D recording techniques to knapped stones	Delpiano et al.
SESSION 11	Cooking cherts: improving the knappability of Evaporithic cherts by heating in the Early Neolithic	Domingo & Montes
	Trusting the witnesses: new technical proposal for the Mexica obsidian blade production	Baena Preysler et al.
	The shouldered points from the late Upper Solutrean from the Cueva de Ambrosio (Almería, Spain): technometric and comparative analysis.	Noelia Sánchez-Martínez
	Experimental approach to the Early Neolithic blade production of the Northeast of Iberia Peninsula.	Palomo Pérez et al.

POSTER 2 SESSIONS 9-16

SESSION	TITLE	AUTHOR
SESSION 12	The use of shark teeth in ancient times: results of the first experimental and microwear analyses	Gilson et al.
	Experimental approach for the characterization of residue, macro and micro traces derived from flaking on anvil of quartz, quartzite and chert pebbles and cobbles.	Capra & Vergès
	Bone toolmaking: a technological and functional methodology for the identification of knapped bones	Mateo Lomba et al.
	Features of the production equipment of the Gissar culture in the light of traceological studies (based on materials from the Gulikandoz monument, Tajikistan)	Terekhina et al.
	Experimental and multi-technique approach with Cretaceous chert	Asryan & Ollé
	What happens with endscrapers? Contributions from traceology to the behavior of the Magdalenian groups of the Cova de Les Borres (La Febró, NE Iberia)	Vigara et al.
	What did we do with the methodology? Several reasons why we must rethink and adapt the traceological methodology to the sample analyzed	Fernández-Marchena & Ollé
	The Recognition of the patinated use-wear on Andesite artifact	Mayu Yoshida
SESSION 13	From the Structure of Materials to their Efficiencies in Action: A multi-scalar approach to provide new insights into tool-kits function.	Viallet et al.
SESSION 14	From stone to Man : Creation of experimental use-wear reference corpus on Phtanite.	Burcet et al.

POSTER 2 SESSIONS 9-16

SESSION	TITLE	AUTHOR
SESSION 15	Different values of the lithic artefacts during the 7th and 5th millennium BC in Central Europe	Kata Szilágyi
	Obsidian Lithic Technology and Symbolic Meaning in the Northern Hualfín Valley (Northwestern Argentina) during Late – Inka Period	Bentivenga & Lynch
	Exploiting rock crystal in the UK: An assemblage from Dorstone Hill, Herfordshire, UK	Overton & Healey
	A Model for the Non-destructive Assessment of Silcrete Heat Treatment Strategies Based on Temperature Estimates	Archer et al.
SESSION 16	Lithic technology in the Tiwanaku's valley as evidence of occupation strategies in the central Andes, Bolivia.	Karen Mamani
	Technological models in an artisanal context of the Argentine Puna at the beginning of the common era	Natalia Sentinelli
	Clovis Ancestors: west of Lake Baikal, not east	Michael Faught
	Characterizing stone tools made by novices: flakes, knapping sequences and gestures	Bargalló et al.