10th International Symposium on Knappable Materials

**Presentation Videos**

**Opening**

10th International Symposium on Knappable Materials
http://www.ub.edu/ubtv/video/10th-international-symposium-on-knappable-materials

Opening Ceremony - 10th International Symposium on Knappable Materials
http://www.ub.edu/ubtv/video/10th-international-symposium-on-knappable-materials-opening-ceremony

**Theme 1 - Chaîne opératoire**

**Session 1 - Raw material exploitation strategies – mining and surface collecting**

Introduction to the study of siliceous raw materials. Isabel Cánovas

Nubian Levallois production system, raw material availability and variability in Arabia. Hilbert Yamandu

Is there a socio-economic interpretation for the sustained exploitation... Paul Fernandes

Shape evaluation in lithic analysis. Liga Zarina
http://www.ub.edu/ubtv/video/shape-evaluation-in-lithic-analysis-liga-zarina

Local lithic raw material procurement in Mousterian times. Rafael Domingo

Geomorphological context and Middle Paleolithic procurement strategies for surface outcrops of Serreta flint. Antonio Tarrió

Raw material procurement and land use in the northern Mediterranean arc during the Mousterian. Stefano Grimaldi

Chocolate flint mine in Orońsko (southern Poland): new approaches. Katarzyna Kerneder

Discussion. Session 1 – Raw material exploitation strategies – mining and surface collecting

Raw material exploitation strategies on the flint mining site of Spiennes. Hélène Collet
Prehistoric chert mining evidence in Serra Llarga (Castelló de Farfanya, Spain). Marta Sánchez de la Torre

“Mons Basin flint cie”: A status report on the flint mining sites of the Mons Basin during the Neolithic. Jean-Philippe Collin

Using airborne laser scanning data for mine surface relief studies. Katarzyna Radziszewska

Variability of lithic sites north of Melbourne, Victoria: A case study. Andrea Murphy

In quartz we trust, when on high. Roark Muhlen-Schulte
http://www.ub.edu/ubtv/video/in-quartz-we-trust-when-on-high-roark-muhlen-schulte

The chert workshop of Tozal de la Mesa (Alins del Monte, Huesca, Spain) and its exploitation in historical times. Marta Sánchez de la Torre

Session 2 - Ancient lithic trade and economics

Upper Palaeolithic social networks in Central and Northern Portugal as revealed by lithic raw material sourcing. Thierry Aubry

Characterization of the lithic resources of the Picamoixons site (Tarragona, NE Iberian Peninsula). María Soto

Moving stones: first hypothesis about flint management in several Neolithic sites of Central Apulia (south-east Italy). Sandra Sivilli

An overview of the knapped stone economy at the Tartaria site (Romania). Otis Crandell

The export of Heligoland flint in Prehistory with special focus on Danish finds. Klaus Hirsch

New data concerning “large blades” in Catalonia. Xavier Mangado

New challenges in the study of lithic raw materials in Central Italy at the dawn of metal working societies. Sem Scaramucci
The specialized canaanenean blade production and distribution system. Francesca Manclossi

Lithic movement and exchange across the Adriatic. Robert Tykot

Exchange networks from Close-up: The case of Lipari obsidian. Andrea Vianello

Kura-Araxes obsidian: sources and trade in the Early Bronze Age. Bengi Basak Selvi

Processing techniques of the knapped stone production at Yurac Corral archaeological site (Ayacucho, Perú). Leslye Valenzuela

Flints in iron age graves: flint from the cemetery at Weklice, Northern Poland. Magdalena Natuniewicz-Sekula, & Dagmara H. Werra

Chalcolithic raw material economy in light of new data from the 'Przyjaźń'. Janusz Budziszewski

Difficulties and results in the assessment of lithic raw material availability. Nora Viviana Franco

Session 3 - Stone tool production and processing techniques

Flintknapping in the Pleistocene-Holocene transition. Margarita Vadillo

Raw material choice matters. Milic Bogdana
http://www.ub.edu/ubtv/video/raw-material-choice-matters-milic-bogdana

Early Harappan disc beads and stone knapping innovations. Ajithprasad Pottentavida

A comparison of lithic assemblages belonging to economically diverse settlements flourishing during mid. Charusmita Gadekar

Lithic debitage study and organization of settlement in Neolithic Western Japan. Atsushi Uemine

Discussion. Session 3 – Stone tool production and processing techniques
Stone tools have traces of the knappers' habit. Takua Asai
http://www.ub.edu/ubtv/video/stone-tools-have-traces-of-the-knappers-habit-takua-asai

The Barranco Cardones workshop (Arucas, Gran Canaria). Yurena Naranjo

Variability in Middle Stone Age core reduction in Southern Africa. Peter Hiscock

Late Middle Paleolithic industries of Grotte de la Verpillière II (Saône-et-Loire, France). Jens Axel Frick

Middle Paleolithic technical behavior at the Su13 of Oscurusciuto Rock Shelter, Southern Italy. Giulia Marciani

Technical ruptures in Abric Romani Middle Palaeolithic site. Francesca Romagnoli

A fresh look at the Boker Tachtit lithic assemblages following renewed excavations. Mae Goder

Stone tool production in Northwestern Spain. Carlos Rodríguez

Knappers of the Bajo Deba. Maite García Rojas

A technological overview of the Noaillian Gravettian of Riparo Mochi (Balzi Rossi, Italy). Fabio Santaniello

Raw material procurement and its consequences for knapping technology in the Middle Palaeolithic site of Katta Sai. Kot Malgorzata

**Session 4 - Use-wear analyses - signs of usage on stone tools (a.k.a. traceology)**

What is a nice flake like you doing in a place like this? Esther López Ortega

Use-wear analysis of quartzite lithic implements from the Middle Paleolithic site of Lagoa Do Bando. Luigi Berruti

Discussion 1. Session 4 - Use-wear analyses - signs of usage on stone tools (a.k.a. traceology)
Use wear and hafting evidences on quartz tools from Vale da Pedra Forada site. Ignacio Clemente

Tool function and human behaviour in Fuente del Truco. Rafael Domingo

Functional approach to the rock crystal technology in high mountain environments. Juan Luis Fernández

Toolkits, chaînes opératoires and cross craft interaction in the domestic Single Grave Culture. Virginia García

An archaeological experiment and new knowledge about the chipped stone industry from Vinča culture. Vera Bogosavljevic

Using texture quantification of sickle gloss through confocal microscopy to study the origins of agriculture in the near east. Juan José Ibáñez

The Spike Scraper of the Guadiana valley. Israel Andrade

Discussion 2. Session 4 - Use-wear analyses - signs of usage on stone tools (a.k.a. traceology)
http://www.ub.edu/ubtv/video/discussion-2-session-4

Theme 2 - Auxilliary sciences

Session 5 - Microcrystalline quartz as a geological material
Determining chemical characteristics and markers of Neolithic quartz artifacts and debitage using portable XRF. Jari Okkonen

Session 6 - Characterising lithic sources
Raw material sources of knapped stone tools from the excavation of the prehistoric site at Toumba Thessaloniki. Stamata Karageorgiou

Cherty rocks from the territory of Serbia as potential raw material for knapped stone artefacts. Kristina Saric
Heterogeneity of knappable raw material used for chipped stone artifact production at the Mesolithic site of Lepenski Vir. Kristina Saric

The mineral composition of "Chocolate flint." Dagmara Werra

Gargano cherts: multiparametric protocol for provenance determination. Giacomo Eramo

Discussion 1. Session 6 - Characterising lithic sources
http://www.ub.edu/ubtv/video/discussion-1-session-6

Chert in its diverse natural occurrences. Paul Fernandes

The archaeometric study of obsidian from Gran Canaria. Jaume Buxeda

First archaeopetrological approximation of the provenance of the Neolithic axes and other artifacts from the Can Sadurní Cave. Mar Rey-Solé

The marine chert from Las Lezas and its prehistoric exploitation. Rafael Domingo

Monegros-type chert: petrographic characterization and prehistoric usage. Rafael Domingo

The Vegamian formation. Diego Herrero Alonso
http://www.ub.edu/ubtv/video/the-vegamian-formation-diego-herrero-alonso

The Escalada Formation. Natividad Fuertes
http://www.ub.edu/ubtv/video/the-escalada-formation-natividad-fuertes

The Irish lithic landscape project. Killian Driscoll
http://www.ub.edu/ubtv/video/the-irish-lithic-landscape-project-killian-driscoll

Discussion 2. Session 6 - Characterising lithic sources
http://www.ub.edu/ubtv/video/discussion-2-session-6

Sourcing of north American Huron great lakes basin Early Holocene chert artifacts by LA-ICP-MS. Patrick Julig

Chert characterization using reflectance spectroscopy. Ryan Parish
http://www.ub.edu/ubtv/video/chert-characterization-using-reflectance-spectroscopy

Mineralogy and chemical composition of lithic artifacts for identification of provenance in Salobo archaeological sites. Lima Costa

Discussion 3. Session 6 - Characterising lithic sources
http://www.ub.edu/ubtv/video/discussion-3-session-6
Session 7 - Lithotheques - collections of comparative raw materials

The Irish lithic landscapes lithotheque. Killian Driscoll
http://www.ub.edu/ubtv/video/the-irish-lithic-landscapes-lithotheque-killian-driscoll

Presenting Lusolit. Telmo Pereira
http://www.ub.edu/ubtv/video/presenting-lusolit-telmo-pereira

Flint sources and their usage in Sardinia: recent advances. Céline Bressy-Leandri

Evaluating lithic raw material potential in a context of geological complexity. Sem Scaramucci

Lithic raw material sources of southern Germany. Markus Siegeris

Towards "Lithotheca III" Katalin Biró
http://www.ub.edu/ubtv/video/towards-lithotheca-iii-katalin-biro

A textual survey of different raw materials utilized in the manufacturing of prehistoric polished stone tools in Eastern India. Paromita Bose

Discussion. Session 7 - Lithotheques - collections of comparative raw materials
http://www.ub.edu/ubtv/video/discussion-session-7

Theme 3 - Special topic sessions

Session 8 - Gemology: Obsidian and quartz as gemstones

Sorcery and ceremony associated with quartz. Vanessa Edmons

Knapping metamorphic dolomite to make bracelets. Francisco Martínez Sevilla

Discussion. Session 8 - Gemology - obsidian and quartz as gemstones
http://www.ub.edu/ubtv/video/discussion-session-8

Session 9 - Experimental flint knapping

Experimental insights into differential heat impact among lithic artifacts. Guillermo Bustos

Experimental study on flint hammers use in Acheulean and Mousterian workshop assemblages in the center of the Iberian Peninsula. Víctor Lamas

Impact fractures: an experimental procedure. Stefano Grimaldi
Water and flint - "water treatment" and "fresh flint", two contradictory concepts? Rengert Elburg

Experimental approaches to investigating the Chaîne opératoire of a Gravettian pendant from Mitoc. Diana Vornicu

Session 10 - Stirring the wheel on human behaviour: Mechanical devices for testing material performance

Edge reduction variability in quartzite and chert. Joao Marreiros

The equotip hardness tester. Carlos Rodríguez-Rellán

Evaluating the feasibility of robot-aided microwear analysis: preliminary results of the Robocut project. Johannes Pfleging

Experimental design and inference in lithic studies: a controlled experiment perspective. Sam C. Lin

Session 11 - Gunflints: Production, distribution and use

Gunflint oriented flint mines in southern Poland revealed by Airborne Laser Scanning. Michal Szubski

Session 12 - Silcrete as a lithic raw material in global context: Geology, sourcing and techno-economics

What factors govern the procurement and use of silcrete during the Middle Stone Age of the Western Cape in South Africa? Manuel Will

The exploitation of silcretes during the Middle and Upper Paleolithic in the Massif Central, France. Rebecca Wragg

Heat treatment of silcrete. Patrick Schmidt

The use of bipolar percussion to detach Levallois flakes at Howiesons Poort Shelter. Amy Tabrett
Silcrete reduction processes in the Australian desert. Petere Hiscock

Australian silcretes. Trudy Doelman
http://www.ub.edu/ubtv/video/australian-silcretes-trudy-doelman

Discussion. Session 12 - Silcrete as a lithic raw material in global context
http://www.ub.edu/ubtv/video/discussion-session-12

Session 13 - Obsidian in archaeology and geology

New study of obsidian blades debitage at Kasov-Cepegov. Pierre Allard

Provenancing of archaeological obsidians from prehistoric Romania. Clive Bonsall

Obsidian in the Danube bend. András Markó

Characteristics of rock micro-texture of obsidian for some obsidian sources of the Islands of Japan. Keiji Wada

Obsidian provenance during the transition to food production in Antofagasta de la Sierra. Salomon Hocsman

Obsidian in the northern coast of Patagonia. Jimena Alberti

Discussion. Session 13 - Obsidian - methodological issues of obsidian provenance studies
http://www.ub.edu/ubtv/video/discussion-session-13

Closing

10th International Symposium on Knappable Materials. Closing ceremony
http://www.ub.edu/ubtv/video/10th-international-symposium-on-knappable-materials-closing-ceremony

Bastoners - traditional dance
https://www.facebook.com/symposiumontherocks/videos/1696583320570186/