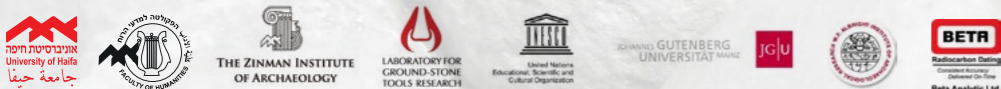


Ground Stone Artifacts and Society

An International Conference on Ground Stone Artifacts
Quarrying, Production, Function and Exchange

July 5-9, 2015
University of Haifa, Haifa, Israel



Sunday 5/7/2015

18:00-20:00 Arrival at University of Haifa
Reception - University of Haifa dorms club

Monday 6/7/2015 Eshkol Tower, Observation Gallery

08:30-09:30 Registration & coffee
09:30-09:50 **Opening remarks and greetings**
Danny Rosenberg | Head of the Laboratory for Ground Stone Tools Research
Mina Weinstein Evron | Head of the Zinman Institute of Archaeology

Session 1 Opening session 09:50-11:30 Session chair: Yorke Rowan

09:50-10:10 Ofer Bar-Yosef | Keynote speaker | Ground stone tools in retrospect
10:10-10:30 David Mudd | Tradition, innovation and early craft specialisation: The stone assemblage from Bestansur
10:30-10:50 Francesco Breglia, Isabella Caricola and Felice Larocca | Macrolithic tools for mining and primary processing of metal ores from the site of Grotta della Monaca (Calabria, Italy)
10:50-11:10 Tom Levy, Megan Bettilyon, and Margie Burton | The Iron Age copper industrial complex: The role of the ground stone industry at Khirbat en-Nahas, Jordan
11:10-11:30 Jérôme Robitaille | Grinding and milling stone tools of the Mursi, Ethiopia: Technique and function
11:30-12:00 **Coffee break**

Session 2 Quarries and production 12:00-13:20 Session chair: Dani Nadel

12:00-12:20 Jacob Vardi | The Larnite quarry complex of the Hatrurim Basin - The role of polished stone bifacial tools in the Desert
12:20-12:40 Ron Shimelmitz and Danny Rosenberg | The organization of basanite bifacial production in Giv'at Kipod quarry, Israel: Towards an 'Alyawara Day' model of extraction
12:40-13:00 Andrea Squitieri, David Eitam and David Yassar | Experimental approach to ground stone manufacture
13:00-13:20 Jennie Ebeling and Danny Rosenberg | A basalt vessel workshop at Iron Age Tel Hazor, Israel
13:20-15:10 **Lunch break - Main Bl. cafeteria and restaurants**

Session 3 Provenience studies and more 15:10-16:50 Session chair: Tom Levy

15:10-15:30 Tatjana Gluhak, Danny Rosenberg and Jennie Ebeling | Raw material variability and provenance as archaeological tools: Preliminary results from a geochemical study of the basalt vessel workshop at Iron Age Tel Hazor, Israel
15:30-15:50 Jeremy Beller, Haskel Greenfield, Itzhaq Shai and Aren Maeir | The life-history of basalt ground stone artefacts of EB III Tell es-Safi/Gath, Israel
15:50-16:10 Sibrecht Reniere, Roland Dreesen, Gilles Fronteau, Tatjana Gluhak, Eric Goemaere, Else Hartoch, Paul Picavet and Wim De Clercq | Unravelling geological and geographical provenances of querns and mills during Roman times at the northern frontier of the Roman Empire (Belgium, northern France, southern Netherlands, western Germany): A multidisciplinary research project
16:10-16:30 Felice Larocca and Francesco Breglia | Grooved stone tools from Calabria region (Italy): Archaeological evidence and research perspectives
16:30-16:50 Ellon Souter | Axe to grind: Cutting tool use, curation and new-life reuse from the Chalcolithic to the later Bronze Age (4,000-1,650 BC) in Cyprus
16:50-17:10 **Coffee break**

Session 4 Use-wear and residue studies 17:10-18:30 Session chair: Tatjana Gluhak

17:10-17:30 Liu Li and Chen Xingcan | Plant-based subsistence strategies and the rise and fall of Neolithic communities in the Liao River valley, Northeast China
17:30-17:50 Caroline Hamon | Technology and function of grooved abraders in the first Neolithic of north-western Europe, an overview
17:50-18:10 Isabella Caricola | Use-wear analyses on macrolithic tools by low and high magnification method: The case of Grotta della Monaca mine (Calabria, Italy)
18:10-18:30 Laure Dubreuil, Anna Stroulia and Jerome Robitaille | Macrolithics and pottery manufacture
19:00-21:00 **Conference dinner - University of Haifa, 'Beit Hastudent'**

Tuesday 7/7/2015 Multi-purpose Bl. Room 056

Session 5 "Hands on" - Ground stone tools In the 'Laboratory for Ground Stone Tools Research' 08:30-10:00 Session chair: Danny Rosenberg

08:30-10:00 **Morning coffee and "Hands on" - Ground stone tools**

Tuesday 7/7/2015 Eshkol Tower, Observation Gallery

Session 6 Bedrock features and more 10:30-12:50 Session chair: Jennie Ebeling

10:30-10:50 David Eitam | Natufian narrow conical mortars: Sophisticated tools for bread production
10:50-11:10 Samuel Duwe | Ground stone shrines and the interpretation of Pueblo cosmography
11:10-11:30 Dani Nadel and Danny Rosenberg | Insights into prehistoric use of bedrock features in the southern Levant
11:30-11:50 Florent Jodry | 5,000 years of lithic exploitation in Alsace-France
11:50-12:10 Haggai Cohen Klonimus | The social aspects of the ground stone tool assemblage in Khirbat Qeiyafa
12:10-12:30 Elizabeth Lang | "Maids at the Grindstone:" A comparative study of New Kingdom Egypt grain grinders
12:30-12:50 David Ilan | The drill pivot: An infrequent and underreported ground stone object
12:50-14:30 **Lunch break - Main Bl. cafeteria and restaurants**

Session 7 General session 14:30-15:50 Session chair: Anna Stroulia

14:30-14:50 Katherine Wright | The beginnings of agriculture, agrarian households and craft specialization in the Near East: Ground stone technologies and prehistoric social change
14:50-15:10 Yorke Rowan | Prestige, ritual practice and ground stone: Late prehistoric stone vessels
15:10-15:30 Ariel Vered | Reuse forms and life-history of ground stone artefacts
15:30-15:50 Ianir Milevski and Ofer Marder | The marvels of basalt: Insights from the Chalcolithic ground stones of Tel Turmus
15:50-16:10 **Coffee break**

Session 8 Use-wear studies 16:10-17:50 Session chair: Liu Li

16:10-16:30 Irina Usacheva | Transverse grooved artefacts: The reconstruction of function
16:30-16:50 Iris Gorman-Yaroslavski, Danny Rosenberg, Daniel Kaufman, Reuven Yeshurun and Mina Weinstein-Evron | The function of grooved basalt items from the Early Natufian layers of el-Wad Terrace, Israel: Perspective from use-wear analysis
16:50-17:10 Jiajing Wang | Plant exploitation of the early Yangshao population at Dadiwan in Northwest China: Evidence from use-wear and starch analysis
17:10-17:30 Vesna Vučković | Macrolithic artefacts: Raw material mechanical properties examination
17:30-17:50 Aurélie Carillet, Florent Jodry and Gilles Fronteau | A new program of research and analysis of lithic tools from the Amathus Palace, Cyprus
Free evening downtown

Wednesday 8/7/2015 Excursion day

07:15 Leaving the University of Haifa, Multi-purpose Bl. parking
08:00-11:00 Light breakfast and a guided tour to the Carmel Caves | Guided by Prof. M. Weinstein-Evron and Dr. R. Yeshurun
11:30-13:30 A guided tour to Tel Megiddo | Guided by Dr. N. Franklin
14:00-15:30 **Lunch - Yunes restaurant (Galilee)**
16:00-16:30 A quick stop near the sea of Galilee (Kibbutz Ein Gev)
17:00-18:30 A guided tour to Hippos | Guided by Dr. M. Eisenberg
18:30-20:00 **Light dinner and sunset at Hippos**
21:00-21:30 Expected return to the University of Haifa

Thursday 9/7/2015 Eshkol Tower, Observation Gallery

08:30-09:00 **Morning coffee**

Session 9 General session 09:00-10:20 Session chair: Caroline Hamon

09:00-09:20 Joan Schneider, Yadmaa Tserendagva, Arlene Rosen, Anneliese Spiro and Thomas Hart | Mongolian Neolithic ground stone tools from the northern edge of the Gobi Desert
09:20-09:40 Luc Jaccottey, Tatjana Gluhak and Timothy Anderson | Pompeian millstones in western Europe
09:40-10:00 Wim De Clercq and Sibrecht Reniere | Millstone and quern deposition in the Civitas Menapiorum: The second life of daily used grinding tools
10:00-10:20 Aurélie Thiébaux, Bruno Duchene, Marc Feller and Eric Goemaere | Manufacture and diffusion of whetstones during Roman times in northern Gaul (Belgium and Northern France)
10:20-10:50 **Coffee break**

Session 10 Prehistoric southern Levant 10:50-12:50 Session chair: Iris Gorman-Yaroslavski

10:50-11:10 Polina Spivak and Dani Nadel | The ground stone industry at Ohalo II, a 23,000 year-old site in the Jordan Valley, Israel
11:10-11:30 Patrick Pedersen and Tobias Richter | Preliminary analysis of the ground stone from Shubayqa 1, Jordan
11:30-11:50 Ahiad Ovadia, Laure Dubreuil and Leore Grosman | "Breaking Bad": Broken Natufian ground stone tools
11:50-12:10 Yael Abadi-Reiss and Tom Levy | Pre-Pottery Neolithic B bead shapers from Tell Tifdan (Wadi Fidan 001), Jordan
12:10-12:30 Marina Bekker and Yosef Garfinkel | The ground stone assemblage of Tel Tsaf - A study of a Middle Chalcolithic assemblage
12:30-12:50 Shay Bar and Haggai Cohen-Klonimus | Ground stone tools at the end of the Chalcolithic period: A view from the Fazaal sites in the Jordan Valley
12:50-13:50 **Lunch break - light lunch and poster presentations - Eshkol Tower, Observation Gallery**

Session 11 Use-wear studies 13:50-15:10 Session chair: Karen Wright

13:50-14:10 Anna Stroulia and Laure Dubreuil | Salty business! exploring an intriguing work face configuration among grinding tools
14:10-14:30 Eduardo Paixão, Joao Marreiros, Juan Gibaja, Telmo Pereira, Joao Cascalheira and Nuno Bicho | Searching for use-wear in greywacke ground stones from Vale Boi (Portugal): An experimental program
14:30-14:50 Natalia Skakun, Mikhail Zhilin and Vera Terekhina | The use of non-flint raw materials in the Mesolithic: A case study from Ivanovskoye 7 site, Central Russia
14:50-15:10 Selina Delgado-Raack | Processing of grain during Iberian Bronze Age: The production and use of grinding equipment from a material perspective
15:10-15:40 **Coffee break**

Session 12 Residue studies 15:40-17:15 Session chair: Wim De Clercq

15:40-16:00 Birgül Ögüt | Plant use from the ground stones' viewpoint - Phytolith analyses from Aeneolithic Monjukli Depe, Turkmenistan
16:00-16:20 Tammy Buonasera | Lipid residues preserved in sheltered bedrock features at Gila Cliff dwellings National Monument, New Mexico
16:20-16:40 Onur Bamyacı | Organic residue analysis (GC-MS) of saddle querns from Chalcolithic Smintheion in northwest Turkey
16:40-17:00 Hao Zhao | Rural household and farming at Sanyangzhuang in the Lower Yellow River during the Han Empire: Evidence from starch on rotary querns and mortars
17:00-17:15 **Concluding remarks**
18:00-20:00 **Farewell dinner - University of Haifa, Arts Center Bl.**