



INSTITUTE OF ARCHAEOLOGY OF CARDINAL STEFAN WYSZYNSKI UNIVERSITY IN  
WARSAW

INSTITUTE OF MEDITERRANEAN AND ORIENTAL CULTURES, POLISH ACADEMY OF  
SCIENCES

CZECH INSTITUTE OF EGYPTOLOGY, CHARLES UNIVERSITY IN PRAGUE  
FACULTY OF GEOLOGY, UNIVERSITY OF WARSAW

Invitation to participate in the

**Second Geoarchaeological Conference in Warsaw**

***Memphite necropolis (Egypt) in the light of  
geoarchaeological and environmental  
research***

under scientific patronage

Committee on Quaternary Research of the Polish Academy of Science  
Scientific Society of Polish Archaeologists: Geoarcheological section

The Conference will held in the Institute of Archaeology  
Cardinal Stefan Wyszynski University in Warsaw,  
7-8 December 2012

**(Building 23, Lecture hall no. 107, Wóycickiego Street 1/3 )**

## WHAT IS GEOARCHAEOLOGY

A specialist field in archaeology, geoarcheology is specifically concerned with reconstructing ancient natural environments which man lived in and actively modified. This dynamically developing science draws upon the combined input of other fields, like geology, geomorphology, sedimentology, climatology, pedology and others in building up its research apparatus.

## ABOUT THE CONFERENCE

The current conference, which is the second in a series, has been designed to highlight the results of interdisciplinary geoarchaeological research by specialists from a broad field of disciplines in the humanities and natural sciences. The organizers' objective is to work towards building a platform for meaningful exchange of information and experience among archaeologists, geologists, sedimentologists, geographers, climatologists, pedologists and researchers from related fields. Meetings in this forum and cooperation between different specialists will hopefully lead to new research projects and initiatives, contributing to broaden knowledge of man's interactions with the natural environment.

## CONFERENCE SCOPE

This year's conference will lay special emphasis on the presentation of issues connected with climatic and environmental conditions recorded in natural and anthropogenic deposits investigated on memphite necropolis area, including such archeological sites as: **Abu Rawash, Giza, Abusir, west and central Saqqara, south Saqqara, Dahshur, Medum and especially Memphis (Mit Rahina)**. **The special conference session will be also dedicated to other kind of geoarchaeological and geophysical research carried out on memphite necropolis.**

The universal importance of peleclic and paleoecological research stems from its role in facilitating understanding of mechanism of late mid Holocene climatic change in north – east Africa.

Submitted papers can present field and laboratory research focusing on the conference theme, carried out with a broad range of methodologies, including geomorphological, sedimentological, mineralogical, pedological, paleobotanic and other analyses. They should contribute importantly to research on climate and paleoecological conditions in the past or articulate clearly man’s interaction with the environment around him. Participation of specialists actively involved in interdisciplinary archaeological projects is particularly encouraged.

## PROGRAMME

First day

7.12. 2012

**10.00**

**Opening of the conference by:**

FABIAN WELC, MIROSLAW BARTA AND JERZY TRZCINSKI

**KAROL MYŚLIWIEC**

*introduction paper*

**SHILD ROMUALD**

*Early and Middle Holocene Paleoclimates in the South Western Desert of Egypt. The World Before Unification*

**ROSEMARIE KLEMM, DIETRICH KLEMM**

*Geomorphological dependency of the Old Kingdom artificial pyramid harbors*

**Break: coffee bar**

**KARIN SOWADA**

*Evidence for late third millennium weather events from an Old Kingdom tomb in the Teti Cemetery at Saqqara (poster)*

**JUDITH BUNBURY**

*Geomorphological development of the Memphite floodplain over the past 6,000 years*

**PEDRO MANUEL LOURENÇO GONÇALVES**

*From the Old Kingdom to the Middle Kingdom – Understanding Memphis landscapes using borehole sampling data*

**Lunch: 13. 30 – 14. 30**

**NICOLE ALEXANIAN, WIEBKE BEBERMEIER, DIRK BLASCHTA, ARNE RAMISCH**

*Geoarchaeological Research at the Necropolis of Dahshur*

**FABIAN WELC, JERZY TRZCINSKI**

*Geoarcheological studies of the polish – egyptian mission in West Saqqara*

**MIROSLAW BARTA**

*Long-term or short-term? The nature of the climate deprecation towards the end of the Old Kingdom (4,2 ky BCE)*

**LESZEK MARKS, FABIAN WELC**

*4,2 ky BP global abrupt climatic change (Bond 3. climatic event) – new evidence from Saqqara*

**BARBARA WORONKO**

*Climate change in North Africa in the last 3000 years recorded in sediments at archaeological site Marea*

**Discussion: 17.00**

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Second day

8.12. 2012

**10.00**

**CAMPBELL PRICE**

*Recent Results of the Saqqara Geophysical Survey Project*

**SEBASTIAN KOWALCZYK, FABIAN WELC, JERZY TRZCIŃSKI, MIESZKOWSKI RADOSŁAW**

*Geophysical researches (Ground Penetrating Radar) on the Polish archeological concession in West Saqqara*

**TOMASZ HERBICH**

*From Saqqara to Berenike, some aspect of geophysic surveying in Egypt*

**Break: coffee bar**

**AGNESE KUKELA, VALDIS SEGLINS**

*Non-destructive methods for evaluation of the state of preservation in historical stone monuments: the case study of the Step Pyramid*

**PAUL T. NICHOLSON**

*Going to the dogs: New work at the Catacombs of Anubis, Saqqara*

**RADOMSKA MAŁGORZATA**

*Saqqara: Some Remarks on Flora from the Funerary Context*

**Lunch: 13. 30 – 14. 30**

**ROSEMARIE KLEMM, DIETRICH KLEMM**

*Dependency of the Old Kingdom pyramids building stones on the regional geology*

**WELC FABIAN**

*Anatomy of the Third Dynasty quarry in West Saqqara*

**KOBUSIEWICZ MICHAŁ, BOBROWSKI PRZEMYSŁAW, JÓRDECZKA MACIEJ, CHŁODNICKI MAREK**

*What forced the prehistoric cattle-keepers to emigrate from the Red Sea Mountains, closing paper*

**Summary discussion and closing of the conference: 17. 00**

## ORGANIZATION COMMITTEE

**Dr. Fabian Welc**, Institute of Archaeology, Cardinal Stefan Wyszyński University in Warsaw, Faculty of Geology of University of Warsaw - **committee chairman**

**Prof. M. Barta, dr. Lisa Lenka**, Institute of Geology Academy of Sciences of the Czech Republic

**Dr. Jerzy Trzciniński**, Faculty of Geology of University of Warsaw

**Aneta Łabędź**, Institute of Archaeology, Cardinal Stefan Wyszyński University in Warsaw

## SCIENTIFIC COMMITTEE

**Prof. Karol Myśliwiec**, Institute of Mediterranean and Oriental Cultures, Polish Academy of Sciences - **committee chairman**

**Prof. Miroslav Bárta**, Czech Institute of Egyptology

**Prof. Zbigniew Kobylński**, Institute of Archaeology, Cardinal Stefan Wyszyński University in Warsaw

**Prof. Leszek Marks**, Department Climatic Geology, Faculty of Geology, University of Warsaw

**Dr. P. T. Nicholson**, Cardiff School of History and Archaeology, Cardiff University

**Dr. Judith Bunbury**, Department of Earth Sciences, University of Cambridge

## SCIENTIFIC PATRONAGE

**Committee on Quaternary Research of the Polish Academy of Science**

**Scientific Society of Polish Archaeologists: Geoarcheological section**

## CONFERENCE LANGUAGES

Papers and be presented only in English.

For additional information please contact Dr. Fabian Welc: tel. 0048 655229248,  
[f.welc@uksw.edu.pl](mailto:f.welc@uksw.edu.pl)

## CONFERENCE LOCALIZATION

Cardinal Stefan Wyszyński University in Warsaw (UKSW), Młociny Campus,

Lecture Hall no. 207

Wóycickiego street 1/3, Warsaw



Plan of Mlociny Camps

