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Πληροφοριακό Δελτίο της Ελληνικής Αρχαιομετρικής Εταιρείας

- Ιούνιος 2003 -

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- June 2003 -

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ΣΥΝΕΔΡΙΑ - CONFERENCES/WORKSHOPS

EMSLIBS II 2ND ANNOUNCEMENT AND CALL FOR ABSTRACTS

Dear friends/colleagues,

Here is the 2nd Announcement and Call for Abstracts for the 2nd Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy (EMSLIBS II), scheduled to take place in Crete, Greece from September 30 to October 3, 2003.

Please check the Symposium web site (www.iesl.forth.gr/emslibs2) for additional and up-to-date information.

We look forward to seeing you in Crete.

With our best wishes

Mohamed Abdel-Harith and Demetrios Anglos
EMSLIBS II Co-chairs

EMSLIBS II
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Novus et Antiquus

THE THIRTY-FOURTH ANNUAL INTERDISCIPLINARY CAES CONFERENCE

The Committee for the Advancement of Early Studies
Friday and Saturday, 10-11 October 2003
Ball State University

CALL FOR PAPERS/ABSTRACTS

Areas of Classical, Early, Medieval and Renaissance Studies, such as:

- Anthropology
- Architecture
- Art
- Economics
- Education
- Foreign Languages and Literature
- History
- Language and Literature of England
- Law
- Mathematics
- Music
- Pedagogy
- Philosophy
- Politics
- Religion
- Science
- Social Structure
- Theology

NOVUS COMPETITION

The Committee for the Advancement of Early Studies announces a competition for emerging scholars who are earning a masters or a doctorate or who have received either degree in the past seven years. All suitable papers will be awarded presentation time of

twenty to twenty-five minutes, and the outstanding papers will be awarded presentation time plus small monetary prizes. Please send four copies of the completed paper plus verification of progress toward degree or degree date to the Convener. Deadline: 31 May 2003.

ANTIQUUS--ESTABLISHED SCHOLARS

The Committee for the Advancement of Early Studies invites established scholars to share their years of experience and valuable research with the conference participants. Finished papers should be limited to a twenty to twenty-five minutes presentation in order to leave five to ten minutes for questions. Please send four copies of a one page abstract to the Convener. Deadline: 31 May 2003.

UNDERGRADUATE PRIZES IN EARLY STUDIES

The Committee for the Advancement of Early Studies invites ten to fifteen page essays by superior undergraduate students. All suitable papers will be awarded presentation time of twenty to twenty-five minutes, and small monetary prizes will be awarded for the best research presented. Please send four copies of the completed paper to the Convener. Deadline: 31 May 2003.

SPECIAL SESSIONS

If you would like to sponsor a special session or several special sessions, please write me at your earliest convenience.

SESSION CHAIRS

If you would like to chair a session of the conference, please write me as soon as possible.

NOTE: The CAES Conference continues to welcome presentations from all academic areas of Early, Medieval and Renaissance Studies and wishes in particular to expand the number of presentations in Classical Studies, including the Classical Tradition, and in Neo Latin Studies.

Bruce W. Hozeski
Convener, CAES Conference of 2002
Department of English
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MICROPALAEONTOLOGY CONFERENCE

October 2003, Canada

Dear colleagues,

A joint meeting of the American Association of Stratigraphic Palynologists (AASP), the Canadian Association of Palynologists (CAP) and the North American Micropaleontological Section (NAMS) of the SEPM will be held in Canada's Niagara Peninsula, October 5-8, 2003.

There are a number of special sessions that may be of interest to many of you and we encourage your participation.

Dr Catherine Yansa and I are convening a special session entitled 'Great Lakes Palynology, Paleoecology and Archaeology', which will focus on a variety of paleoecological methods and applications in the North American Great Lakes region. We hope to bring together a diverse group of researchers addressing paleoenvironments in this area, using a number of different indicators and techniques. If you would like to take part, please contact me (sarah.finkelstein@utoronto.ca) or Catherine Yansa (yansa@msu.edu).

Other symposia include (convenors indicated in parentheses):

- * Micropaleontology and Palynology of the Atlantic and Gulf Coastal Plains of North America (Peter McLaughlin)
- * Land-Sea Correlation in the Quaternary/Cenozoic (Alwynne Beaudoin and Martin Head)
- * Origins and Evolution of Microfossils (Paul Falkowski, Miriam Katz, Oscar Schofield)
- * Micropaleontological Applications in Geoarchaeological Studies (Eduard Reinhardt)
- * Pragmatic Palynology: Melissopalynology, Forensic Palynology etc. (John H. McAndrews)
- * Micropaleontological Applications in Ecology and Paleoecology (R. Timothy Patterson)

For more information about these sessions, field trips and conference location, please consult the webpage: <http://www.geology.utoronto.ca/aasp2003/> or contact co-organizers Francine McCarthy (francine@craton.geol.brocku.ca) or Kevin Gostlin (gostlin@geology.utoronto.ca).

Abstracts must be submitted via email by 30 May 2003 - please follow the guidelines on the webpage indicated above.

Many thanks,

Sarah A. Finkelstein

MELOS INTERNATIONAL WORKSHOP

Melos Island, Greece, 2-5 July, 2003

Organization:

- Laboratory of Archaeometry, Dept. of Mediterranean Studies, University of the Aegean, Greece (c/o Prof. I.Liritzis), and
 - International Association of Obsidian Studies (IAOS, USA) (c/o Dr C.Dillian, president).
- 1) **Michael Gottesman (Sherman Oaks, California)**, “Obsidian hydration dating: How good is it?”
 - 2) **Dr Maria Rosa Iovino (Siracusa)** :”Tribology and micro wear trace analysis on obsidian (Sicily and Turkey)”
 - 3) **Dr Wal Ambrose (Australian National University)**, “Powdered obsidian for determining hydration rates and site thermometry”
 - 4) **Prof. Masao Suzuki (Rikkyo University, Japan)**, “An approach to the palaeoclimatic reconstruction using obsidian hydration as a temperature indicator”
 - 5) **Dr Carlo Pantano (Pennsylvania State University)**, N.P.Mellot, J.P.Hamilton, “Effects of composition and network connectivity on the leaching and dissolution of aluminosilicate glasses”
 - 6) **Dr Robin Torrence (Australian Museum)**, Glenn Summerhayes (Australian National University), Ivo Orlic (ANSTO), Philippa Rath and J.Peter White (University of Sydney) “Networks and Disasters: Changing patterns of obsidian procurement in West New Britain, Papua New Guinea”
 - 7) **Dr Harald Behrens (University of Hannover, Germany)**, M.Leschik, G.Heide, G.H.Frischat and M.Wiedenbeck, “Experimental studies on water diffusion, oxygen isotope exchange and corrosion of rhyolitic glasses and melts”
 - 8) **Prof. Catherine Perles (Universite de Paris X)**, “Why the obsidian trade?”
 - 9) **Prof. Youxue Zhang (University of Michigan)**, Xiaomei Xu and Harald Behrens, “Water diffusion in obsidian and obsidian hydration dating”
 - 10) **Dr Bernard Gratuze (IRAMAT CNRS, Centre Babelon, France)**, « New investigations of the Gollu-Dag obsidian lava flows system: comparison between chemical, mineralogical and fission track data”
 - 11) **Dr Carolyn Dillian (president IAOS)**, “Sourcing belief: using obsidian sourcing to understand prehistoric ideology in northeastern California”
 - 12) **Dr Robert Tykot (University of South Florida, USA)**, “High-precision sourcing of obsidian assemblages from the central Mediterranean: Feasibility and utility for archaeological interpretation of the exploitation of the Italian island sources”
 - 13) **Prof. Minoru Tomozawa (Rensselaer Polytechnic Institute, USA)** “Water diffusion in silica glass at low temperatures”
 - 14) **Prof Michael Glascock (Missouri University, USA)**, and R.J.Speakman, “Obsidian characterization basics: analytical techniques, elements and sources”
 - 15) **Dr Tristan Carter (Stanford University, USA)** «Problematizing the analysis of obsidian in the Aegean and surrounding worlds»

- 16) **Prof. Maciej Pawlikowski (Mining and Metallurgy University, Poland)**, Mariana Tsamasfyrou and Ioannis Liritzis (University of the Aegean, Greece), “Surface microscopic investigation of obsidians”
- 17) **Dr. Yiannis Bassiakos (NRC Demokritos, Greece), Dr V.Kilikoglou and A.Sampson**, “Yali Island: geological and analytical evidence for a new source of workable obsidian”
- 18) **Dr Martin Jones (University of Auckland, NZ)**, “Archaeological soil temperature and obsidian hydration: a case study in quantifying uncertainty in OHD age estimates”
- 19) **Prof. R.Brodkey (Ohio State University)**, Prof. Ioannis Liritzis, Maria Diakostamatiou “Transport phenomena related to OHD”
- 20) **Dr Chris Stevenson (Virginia Dept. of Hist. Resources, USA)**, Stevenson.C, Liritzis.I, Diakostamatiou.M, Novak.S.W and Abdelrehim.I, “The dating of hydrated obsidian surfaces by SIMS-SS”
- 21) **Prof. Gerald Poupeau (University of Bordeaux III)**, “Obsidian and provenance studies: from geochemistry to fission track dating and solid state properties”
- 22) **Dr Laurence Astruc (Centre d’Etudes Prehistoire Antiquite Moyen-Age, France)**, Roberto Vargiolu and Pr.Hassan Zahouani, “Mechanical properties of obsidians and mechanisms of wear”
- 23) **Prof. Ioannis Liritzis (University of the Aegean)** and M.Diakostamatiou, “Potential and limitations of the novel SIMS-SS obsidian dating method”

NOTE: 1) Any attendee, except of the speakers, should register. Registration Fee is 250 EUROS and includes attendance of the Workshop, Conference material, and two excursions in the island. All other arrangements are made by their own.

2) Accompanied persons may register on a per day basis (60 EUROS / day)

3) Potential attendees are urged to make hotel reservation the earliest, due to high season and lack of available rooms.

SCIENTIFIC PROGRAM

2 July, Wednesday

Arrivals

20:00 Welcome Reception at Melos Conference Center “G.Iliopoulos”

3 July, Thursday

Morning Session

(20 mins each presentation plus 5 mins discussion.)

Chair: Prof I.Liritzis (Greece) and Dr C.Dillian (USA)

9:00-9:10 Welcome Greetings

9:10-9:35 **Liritzis.I** and **Diakostamatiou.M**, “Potential and limitations of the novel SIMS-SS obsidian dating method”

9:35-10:00 **Youxue Zhang**, **Xiaomei Xu**, **H.Behrens**, “Water diffusion in obsidian and obsidian hydration dating”

10:00-10:25 **Jones.M**, “Archaeological soil temperature and obsidian hydration: a case study in quantifying uncertainty in OHD age estimates”

10:25-10:50 **M.Tomozawa**, “Water diffusion in silica glass at low temperatures”

10:50-11:10 Coffee Break

11:10-11:35 **M.Suzuki**, “An approach to the palaeoclimatic reconstruction using obsidian hydration as a temperature indicator”.

11:35-12:00 **W.Ambrose**, “Powdered obsidian for determining hydration rates and site”

12:00-12:25 **Brodkey.R**, **Liritzis.I** and **Diakostamatiou.M**, “Molecular transport phenomena in Archaeology: applications to obsidian hydration dating”

12:25-12:50 **Stevenson.C**, **Liritzis.I**, **Diakostamatiou.M**, **Novak.S.W** and **Abdelrehim.I**, “The dating of hydrated obsidian surfaces by SIMS-SS”.

13:30 Lunch

Evening Session

Chair: Prof M.Glascock (USA) and Dr H.Behrens (Germany)

17:00-17:25 **Behrens.H**, **Leschik.M**, **Heide.G**, **Frischat.G.H** and **Wiedenbeck.M**, “Experimental studies on water diffusion, oxygen isotope exchange and corrosion of rhyolitic glasses and melts”

17:25-17:50 **Pantano.C**, **Mellot.N.P**, **Hamilton.J.P**, “Effects of composition and network connectivity on the leaching and dissolution of aluminosilicate glasses”

17:50-18:15 **Gottesman.M**, “Obsidian hydration dating: how good is it?”

18:15-18:40 **Poupeau.G**, “Obsidian and provenance studies: from geochemistry to fission track dating and solid state properties”

18:40-19:00 Coffee Break

19:00-19:25 **Glascock.M** and **Speakman.R.J**, “Obsidian characterization basics: analytical techniques, elements and sources”

19:25-19:50 **Dillian.C**, “Sourcing belief: using obsidian sourcing to understand prehistoric ideology in northeastern California”

19:50-20:15 **Bassiakos.Y**, **Kilikoglou.V** and **Sampson.A**, “Yali island: geological and analytical evidence for a new source of workable obsidian”

20:15-20:40 **Gratuze.B**, “New investigations of the Gollu-Dag obsidian lava flows system: comparison between chemical, mineralogical and fission track data”

21:00 Dinner

4 July, Friday

Morning

7:30 Departure from Conference Center to Adamas and Demenegaki Obsidian Source

13:30 Lunch

Evening Session

Chair: Dr W.Ambrose (Australia) and Dr M.Jones (New Zealand)

17:00-17:25 **Tykot.R**, “High-precision sourcing of obsidian assemblages from the central Mediterranean: Feasibility and utility for archaeological interpretation of the exploitation of the Italian island sources”

17:25-17:50 **Carter.T**, “Problematizing the analysis of obsidian in the Aegean and surrounding worlds”

17:50-18:15 **Torrence.R**, *Summerhayes.G*, *Orlic I*, *Rath.P* and *White.J.P.*, “Networks and disasters: changing patterns of obsidian procurement in West New Britain, Papua, New Guinea”

18:15-18:40 **Pawlikowski.M**, *Liritzis.I*, *Tsamasyrou.I*, and *Perdikatsis.V* “Surface microscopic investigation of obsidians”

18:40-19:00 Coffee Break

19:00-19:25 **Perles.C**, “Why the obsidian trade?”

19:25-19:50 **Astruc.L**, *Vargiolou.R* and *Zahouani.P.H*, “Mechanical properties of obsidians and mechanisms of wear”.

19:50-20:15 **Iovino.R.M**, “Tribology and micro wear trace analysis on obsidian (Sicily and Turkey).

21:00 Dinner

5 July, Saturday

9:30-11:00 Round Table.

A 15 mins Summary of presentations by, a) Mike Glascock on “Analysis and Characterization”, b) Youxue Zhang on “Obsidian Dating and Diffusion Mechanisms”, and c) Robert Tykot on “Archaeological Aspects of Obsidians”.

Discussion and Concluding Remarks on the Current State of Obsidian Dating and Characterization Status.

11:00-13:00 Free time

13:30 Lunch

END OF THE WORKSHOP

18TH INTERNATIONAL RADIOCARBON CONFERENCE

Deadline for Abstracts extended

Dear Colleagues:

Due to a number of requests, the deadline for abstracts for the 18th International Radiocarbon Conference has been extended to JULY 1st 2003.

Please note that this is also the deadline for earlybird registration.

You can register online and submit abstracts at this site:

<http://www.gns.cri.nz/14conference2003/>

While we expect the bulk of Registration and Abstract submission to be made via the Web, on-line forms may also be downloaded and posted.

If you do have any problem accessing this site, please send us a message at 14Conf-info@gns.cri.nz

We look forward to seeing you all in Wellington September 1- 5, 2003.

Wellington 2003 Conference Organizing Committee

THE SECOND INTERNATIONAL CONFERENCE ON “SCIENCE AND TECHNOLOGY IN ARCHAEOLOGY AND CONSERVATION”

FIRST CALL

**Organized by
Queen Rania Institute of Tourism and Cultural Heritage
The Hashemite University
Zarqa – Jordan.**

Rationale:

Following the successful outcome of The First International Conference, held in Jordan and organized by the Queen Rania Institute of Tourism and Cultural Heritage at the Hashemite University, and UNESCO during the period 12-17 August 2002, we are very pleased to announce for The Second International Conference on “*Science and Technology in Archaeology and Conservation*” which will take place in Jordan between 7-11 December 2003.

In the last few decades, archaeological investigation has changed almost beyond recognition, as have the other social sciences. The computer, statistical methods, and the scientific approach have transformed archaeology from a purely descriptive discipline into a one that is solidly supported by a large battery of investigative techniques. Therefore, improved methods of sharing information and coordinating its distribution are needed among professionals and scholars. Substantial efforts are channeled into database systems, website publications and search capabilities. Conservation professionals need to gain both intellectual and technological control over the existing knowledge base. Unfortunately, this has become increasingly difficult with the vast expansion of the knowledge base. Nonetheless, it is essential to keep pace with developments to avoid reinventing the wheel and to take advantage of the benefits of technology transfer.

Science and Technology are becoming essential in the conservation of the tangible cultural heritage. This includes historic monuments and buildings, archaeological artifacts, ancient arts and ceramic findings. The concept of conservation expanded to include Geoarchaeology, which is concerned with the reconstruction of landscape, preservation of archaeological materials, non-destructive testing methods using imaging, and dendrochronology. The intangible heritage is also threatened (mainly by globalization) and therefore, it also is the center of focus of conservationists.

Multidisciplinary studies provide us with useful material on the study of material remains like fossils, artifacts, and monuments that belong to ancient human civilizations. Many archaeological sites provide invaluable opportunities for research projects, excavations expeditions, and fieldwork investigations.

Many relatively new technologies have been successfully applied to the development of archaeological predictive models. This includes GIS, Aerial Archaeology, Thermographic Infrared Multispectral Scanners (TIMS), Imaging Radar, Resistivity Mapping, Magnetometer Survey, Magnetic Susceptibility Surveys, Ground Penetrating Radar (GPR), Geophysical Diffraction Tomography (GDT), Virtual Reconstructions in Archaeology, Computed Topography, and Rapid Prototyping.

Similarly, Bioarchaeological Analytical Techniques, Osteoarchaeology, Faunal and Lithic Analysis, Dating (Organic and Inorganic Materials), Biomaterials (Bone, Residues), Technology & Provenance (Stone, Plasters, Pigments, Ceramics, Glass, Metals), Remote Sensing in Archaeology and Mitigation Investigations have converted archaeological studies from its classical approach to a dynamic one that integrates with the Science and Technology of modern days.

It is hoped that this conference will tackle these developments that show how science and technology with its evolutionary approaches and applications has taken archaeology and conservation in new directions. We therefore sincerely invite you to become an active participant in this forthcoming conference.

Although S&T is seen to be the main emphasis of our conference, we believe Archaeology and Tourism should play a central role in it. Therefore, we encourage specialists in these areas to contribute.

This year has witnessed the Iraq War with subsequent and unfortunate looting of Iraqi's cultural heritage. We believe that special sessions should be dedicated to contributions related to the protection of heritage against vandalism as well as measures of protection during wartime. Therefore, such contribution related to this issue will be greatly valued.

Main Topics to be covered:

- Archaeology
- Tourism and Sustainability
- Cultural Heritage Management
- **Vandalism**
- Archaeological Information System AIS
- Geographical Information System GIS
- Information Technologies
- Stone Weathering
- Restoration of Monuments and Historical Artifacts
- Policies and Strategies in Conservation
- Archaeometry
- Museology
- Imaging And Non-Destructive Techniques Applications
- Ancient Art and Technologies
- Landscape Archaeological Conservations
- Environmental Impact Assessment on cultural heritage
- Heritage Management in Crises and Conflicts

PARTICIPATION FORM

Family Name:
First Name:
Title:
Organization / Institution:
Country:
City:
Street:
Zip Code:
Phone:
Fax:
E-mail:

I wish to submit a full paper Yes No

Paper Title:
A poster:
Title:

The completed Registration Form must be sent, faxed or emailed to:

Prof. Dr. Talal Akasheh
E-mail: takash@index.com.jo
Fax: 00962-5-382 6613

Or: Mr. Maher Abu Jafar
E-Mail: mjafar@hu.edu.jo
Fax: 00962-5-382 6613

Abstract: (200 words or less)

Deadline for abstract submission: August, 7th, 2003. If the application and/ or abstract are received after the deadline date, a late fee of \$ 100 will be applied to all conference fees. Participation fees are \$250 or Euro 250 or JD175. A limited amount of support is available for those who request on a first come first served basis. We regret that we cannot support travel under any circumstance.



TOWARDS
TECHNOARCHAEOLOGY
11 - 13 October 2003

Srem (POLAND)

Tel.: (+4861) 8291360

orsel@sigmaxi.org FAX: (+4861) 8658008

Professor Jerzy J. Langer, CChem FRSC
A. Mickiewicz University at Poznań, Faculty of Chemistry
Laboratory for Materials Physicochemistry and Nanotechnology
Grunwaldzka 10, PL-63100 Srem, Poland

**On behalf of The Organising Committee I have a great pleasure in
inviting you for a visit to Poland to take part in the conference**

Towards Technoarchaeology, TTA '03,
11-13 October 2003, Srem n. Poznań (Poland)

This is an international meeting of scientists working in the field of technoarchaeology (in a broadest sense) and related areas, the first in the series, organised every two years. The goal of this conference is to bring the people together to present and discuss the latest results and directions, and to define the issues and challenges in the future research.

For TTA '03 news, registration and abstract forms please visit
<http://main.amu.edu.pl/~tta>.

With kind regards.

Sincerely yours.

Jerzy J. Langer
Chairmen TTA'03

TOWARDS TECHNOARCHAEOLOGY

11 - 13 October 2003, Srem (POLAND)

*** Resinous Substances * Biomaterials * Amber * Remains of Food and Oils *
Pigments and Dyes * Metals * Clays and the Ceramics * Glass, Obsidian, Stone and
Flint * Dating * Identification and Characterization * Thermal History *
Reconstruction of Technology and Applications**

Announcement and Call for Papers

ORGANISER

**A. Mickiewicz University at Poznań
Faculty of Chemistry
Laboratory for Materials Physicochemistry and Nanotechnology
Archaeometry research group**

Programme Committee

H. Kočka - Krenz – Co-chairman, DH
UAM, Poznan

L. Czerniak – IAE PAS, Poznan

J. Fogel – DH UAM, Poznan

M. Kobusiewicz – IAE PAS, Poznan

J. J. Langer – Co-chairman, DCh UAM,
Poznan

A. Kosko - DH UAM, Poznan

L. Krzyzaniak – MAP, Poznan

R. Schild – IAE PAS, Warsaw

Organising Committee

**J.J. Langer - chairman, S. Pietrzak, R.
Groszewska, H. Grochowska, T. Gibiński, S.
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Prof. Jerzy J. Langer

A. Mickiewicz University at Poznań

Faculty of Chemistry

Laboratory for Materials Physicochemistry and Nanotechnology

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TTA' 03

The conference is first of a series international meetings planned as an interdisciplinary forum for a discussion on all aspects concerning technoarchaeology in a broadest sense: modern analytical techniques applied to archaeological studies (characterization and dating identification of materials their provenance), obsidian, stone and flint characterization; the geochemistry of clays and the provenance ceramics; glass; metals; resinous substances (tar and pitch, resins, waxes); analysis of archaeological remains of food and oils; technology and applications of pigments and dyes, structure and characterization of bones, biomaterials, characterization and provenance of amber.

The conference is designed to provide as much discussion among the participants as possible .The program includes a plenary session and technical sessions comprised of invited and contributed papers for oral presentation.

Authors of accepted papers will be required to submit a full-length manuscript for peer review for publication. Poster sessions are scheduled at least for two evenings of the conference.

Invited Speakers: (*a list is still open*)

Presentation: invited lectures 30+5 min, oral presentation of contributed papers (selected)

20 + 5 min and poster sessions.

The official symposium language will be English

Publication: The abstract (camera ready form) to be published in a Conference booklet must fit within a box 126 mm x 182 mm with top margin 65 mm and left margin 45 mm. Please use Times New Roman font size 11 with single space. The abstract should clearly list the title, author(s) and affiliations (with e-mail!) of the corresponding author.

A full text should include:

- Archaeological context
- Research objectives (clear statement that motivated the study)
- Results and significance of the study for archaeological science

All accepted full-length manuscripts will be published.

Abstracts should be send by e-mail to:

slawek@main.amu.edu.pl

Conference fee: 150.- EUR (students and accompanying persons: 100.- EUR)
includes registration fee, accommodation, meals,
reception and Conference Dinner,
social program and local transport from and to

Poznań.

Late registration: 200.- EUR

please remit to : **Uniwersytet A. Mickiewicza w Poznaniu**

bank account: **WBK VI O/Poznań 10901362-4721-128-06-0**

SWIFT Code: WBK PPLPP PL

indicating: **TTA '03 24930551**

Payments must include all bank charges. Where this is not done these bank charges must be paid at the registration desk on arrival.

In case of cancellation, the fees minus handling (20%) will be refunded, provided the cancellation is made in writing before September 16, 2003.

Deadlines:

Abstract submission

September 1, 2003,

Registration and Conference fee

September 15, 2003,

SREM

Srem (30000), a typical Wielkopolska town, lies upon Warta river, 42 km South of Poznań (750000), which is a capital of Wielkopolska region and voivodeship.

Srem is one of the oldest Polish settlements. As early as the 10th century, here was a fortified castle, which guarded a ford across the Warta river - a very important trade route from Silesia

to Poznań. Srem has been mentioned first in 1136 by the pope Innocent II in his bull .

Here in 1854, Heliodor Swiecicki was born, a physician and scientist, the first rector of The University of Poznań (A. Mickiewicz University).

Srem is a centre of the local municipal authority and the regional government authority and administration.

The most important industrial factory in Srem Borough is the Ion Foundry Srem, employing about 3000 workers, one of the biggest in Poland.

Other factories represent clothes, chemical, food and building construction industry.



TOWARDS TECHNOARCHAEOLOGY

11 - 13 October 2003, SREM (Poland)

Registration form

Name: Title: Sex: M F

First Name(s):

Affiliation:

Mailing Address:

.....

Zip: Country:

FAX: Phone: E-mail:

Accompanying persons: 1. Mr. Ms.-.....

2. Mr. Ms.-.....

Date of arrival Date of departure

Please make hotel reservation for .../... extra days before and/or/.....extra days after the Conference for an extra charge of 40.- EUR (single room) or 20.- EUR per night per person (double room).

Title of the contribution.

.....

Preferred presentation: Oral/Poster

Registration and accommodation fee:

Total amount due

Method of payment:

Visa

Mastercard/Eurocard

Bank account

Card number:

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Expire date:

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Please attach a copy of the bank remittance slip to the registration form.

Date Signature:

Your registration will be accepted only upon receipt of payment.

IAMS SUMMER SCHOOL 2003

Dear All,

Once again I am happy to announce the upcoming IAMS Summer School. This annual two week event. will feature the "**Ancient Mining Technology**" and "**Ancient Smelting and Metallurgy**", and will take place from **Monday June 16 until Friday June 27 2003** at the:

Institute of Archaeology

University College London

31-34 Gordon Square

London WC1H 0PY

United Kingdom

(For a map, see www.streetmap.co.uk, using the London post code WC1H 0PY).

The first week (16 to 20 June 2003) will cover all aspects of ancient mining technology, drawing from an extensive range of case studies across the world.

The second week (23 to 27 June 2003) will cover a wide range of archaeo-metallurgical lectures, beginning with the archaeological evidence for copper smelting in the Middle East and Thailand, and leading to important specialist topics such as Metals in Numismatics, lead smelting, and the interplay between metallurgy and ceramics and glass, respectively.

The lecturers for the two weeks include Professors Tim Shaw, Beno Rothenberg, HG Bachmann, VC Pigott and Thilo Rehren.

The fee will be GBP 50 per week, or GBP 85 for both weeks (or 15 pounds for a day). We regret that we can not assist with accommodation and meals, but London offers a wide range of options here...

The courses are intended for anybody interested in early mining and metallurgy, and require no existing specialist knowledge. However, opportunity will be given to explore specific aspects in more detail, within the given schedule. Both weeks can be taken independently from each other.

Further details can be found at www.ucl.ac.uk/iams/ , or contact Xander Veldhuijzen at the Institute of Archaeology / IAMS at h.veldhuijzen@ucl.ac.uk for bookings and requests.

Schedule Week 1

Day 1	Professor C.T. Shaw
Session 1	Introduction to the course. - Definition of what is meant by "mining". Introduction to the various types of mine with brief introductory descriptions. The early beginnings of mining.
Session 2	Materials mined. - The steady increase in materials required through time has meant a steady increase in the potential for mining. Resource seeking and the spread of humanity.
Session 3	Mining technology - Breaking - Hammerstones, spikes, wedges, gads, hammers, picks. Methods and techniques of working. Tool marks - reading the evidence.
Day 2	Professor C.T. Shaw
Session 4	Mining technology - Breaking - Firesetting, burning and quenching, rock degradation. - Breaking methods used in quarrying.
Session 5	Mining technology - Lifting and Transport - Hands, shovels, rakes, scrapers - Bags, baskets, barrels, buckets, corves, barrows, wheeled containers.
Session 6	Mining Technology - Stopping layout - support of the workings - Mapping and Survey.
Day3	Professor C.T. Shaw
Session 7	Mining technology - Primary access - Shafts and hoisting - Man travel into, within and out of the mine - tunnelling methods.
Session 8	Mining technology - Water Problems & Pumping - water lifting devices - water supply to the mines.
Session 9	Mining technology - Ventilation - natural ventilation, moving bodies, fire, fans - Shafts to surface - Lighting.
Day 4	Professor B. Rothenberg
Morning	Archaeology - Geomorphology, signs and traces left by ancient mining operations.
Afternoon	Mining in Timna (Israel) and the Huelva province (SW Spain).
Late afternoon	Reception
Day 5	Professor C.T. Shaw
Session 10	Mining technology - surface mining - Quarrying methods - polished stone and building materials.
Session 11	Other matters - Safety, accidents, clothing, religion, living conditions, slavery.
Session 12	Summing up.

Schedule Week 2

Day 1	
Morning	Introduction Professor Thilo Rehren
	Professor Beno Rothenberg on Archaeological evidence for smelting in Timna and Spain
Day 2	
Morning	Professor Vincent Pigott on The Archaeology of Copper Production in Prehistoric Central Thailand.
Afternoon	Professor Hans-Gert Bachmann on Refractories in metallurgy
Day 3	
Morning	Professor Thilo Rehren on Medieval lead smelting
Afternoon	Professor Hans-Gert Bachmann on precious metals
Day 4	
Morning	Professor Hans-Gert Bachmann on Metals in Numismatics
Afternoon	Professor Thilo Rehren on Metals and Glass
Late afternoon	Reception
Day 5	
Morning	Professor Hans-Gert Bachmann on Pyrotechnology, Slags, Text
Afternoon	Professor Thilo Rehren closing session

Hoping to see you all next June,

Thilo Rehren.

IAMS (Institute for Archaeo Metallurgical Studies)

Institute of Archaeology

University College London

31-34 Gordon Square

London WC1H 0PY

United Kingdom

email: h.veldhuijzen@ucl.ac.uk

website IAMS: www.ucl.ac.uk/iams

Xander Veldhuijzen
PhD candidate
Institute of Archaeology
University College London
31-34 Gordon Square
London WC1H 0PY
United Kingdom
E-mail: h.veldhuijzen@ucl.ac.uk
Website: <http://www.ironsmelting.net>





COST G7

ARTWORK CONSERVATION BY LASER **SEVENTH MANAGEMENT COMMITTEE** **MEETING and** **6th WORKING GROUPS MEETING**

5-7 June 2003

(Organised with Working Groups meeting and workshop)

Dates : 5-7 June 2003
Place : Sala della Giunta Regionale
Palazzo Panciatichi
Via Cavour, 2,
50100 Florence, Italy
Inviting Delegation : Italian (person responsible: Dr. Renzo Salimbeni – IFAC-CNR)
Chairman : Dr. Vassilis Zafirooulos - Foundation for Research and
Technology - Hellas (FO.R.T.H.)
Scientific Officer : Ms. Anna Danti, DG RTD/B5
COST Secretariat - Brussels

DRAFT AGENDA OF THE COST G7 MEETING **5-7 June 2003**

Workshop, Management Committee, Working Groups

Thursday 5 June 2003

Place: Sala della Giunta Regionale, Palazzo Panciatichi , Via Cavour 2

16.00-18.00 hours -

Common Meeting : WG1-WG2 and WG3

Friday 6 June 2003

Morning

09.00 – 11.00 hours

Visit to Opificio Pietre Dure, Via degli Alfani, 78 – Presentation of restoration projects and activities

11.00 – 12.30 hours

Visit to Santa Maria del Fiore – Presentation of restoration activities

12.30 – 14.00 hours

Lunch break

Afternoon

Place: - Sala della Giunta Regionale, Palazzo Panciatichi , Via Cavour 2

14.00 – 15.30 hours

Management Committee meeting (1st part)

1. Welcome to the participants
2. Presentation of new Delegations
3. Adoption of the agenda
4. Approval of the draft minutes of the 6th meeting of the Management Committee (17-19/10/2002 - Vantaa)
5. Election of Chairperson and Vice-Chairperson
6. Budgetary situation / Changes within COST Programme
7. Report on the G7 homepage – Open discussion on improvements
8. Short-Term Scientific Missions – Proposals for possible missions in 2003

15.30 – 16.00 hours

Coffee break

16.00 – 18.00 hours

Working Group 1 meeting

18.00 – 19.00 hours

Working Group 3 meeting - Part 1

20.00 hours

Dinner

Saturday 7 June 2003

Morning

Place: Sala Convegni della Cassa di Risparmio di Firenze, Via F. Portinari, 5 - Florence

09.30 – 12.30 hours

Workshop “The future of laser techniques in arts conservation: diagnostics, restoration and deterioration monitoring”

12.30 – 14.00 hours

Lunch Break

Afternoon

Place: Sala della Canonica, Chiesa di S.Lorenzo

14.00 – 15.30 hours

Working Group 3 - Part 2

15.30 – 16.00 hours

Coffee break

16.00 – 18.00 hours

Working Group 2 meeting

18.00 – 18.40 hours

Management Committee meeting 2nd part

9. Report of the work/decisions undertaken by the working groups.
10. Discussion on the activity report
11. Forthcoming meetings of the Management Committee and of the Working Groups - Preparation of forthcoming meetings/workshops
12. Any other business



Saturday 7 June 2003

COST ACTION G7

“The future of laser techniques in arts conservation: diagnostics, intervention and deterioration monitoring”

**SALA CONVEGNI DELLA CASSA DI RISPARMIO DI
FIRENZE, VIA F. PORTINARI 5, FIRENZE**

- 9.00-9.20 **Opening – Introductory remarks**
Welcome by authorities
Renzo Salimbeni, Institute of Applied Physics “N. Carrara”, CNR,
Florence, Italy
Francesco Gravina, Regione Toscana, Florence, Italy
Vassilis Zafiropoulos, chairman of COST Action G7, Foundation for
Research and Technology – Hellas (FORTH), Crete, Greece
- 9.20-9.40 **Present status of laser cleaning: validation and spread of interest in
Europe**
Renzo Salimbeni, Institute of applied Physics “N. Carrara”, CNR,
Florence, Italy
- 9.40-10.00 **Laser techniques in art knowledge and conservation: the point of view
of the heritage institution**
Clara Baracchini, Soprintendenza per i Beni Ambientali, Architettonici,
Artistici e Storici di Pisa, Livorno, Lucca e Massa Carrara, Pisa, Italy
- 10.00-10.20 **Laser-Nanotechnology: Fundamentals and Applications in Arts
Conservation**
Wolfgang Kautek, Laboratory for Thin Film Technology
Federal Institute for Materials Research and Testing, Berlin, Germany
- 10.20-10.40 **Coffee break**
- 10.40-11.00 **3D laser scanning applications on artworks, monuments and historical
buildings**
Raffaella Fontana, National Institute of Applied Optics, CNR, Florence,
Italy

- 11.00-11.20 **Laser techniques for monitoring deterioration of cultural heritage**
Marta Castillejo, Institute of Physical Chemistry Rocasolano, CSIC, Madrid, Spain
- 11.20-11.40 **e-technologies & lasers: synergy in art conservation**
Marco Callieri, Institute of Information Science and Technology, CNR, Pisa, Italy
- 11.40-12.00 **Materials for conservation and laser cleaning**
Mara Camaiti, Institute for Conservation and Enhancement of Cultural Heritage, CNR, Florence, Italy
- 12.00-13.00 **Round table** : Chairman Umberto Baldini, International University of Art, Florence, Italy



Red: Sala della Giunta Regionale

Ligh blue: Opificio delle Pietre Dure

Green: S.Maria del Fiore

Violet: Aula Magna della Cassa di Risparmio

Yellow: Sala della Canonica della Chiesa di S. Lorenzo

Brown: Restaurant with reservation

HOTEL Reservation

FLORENCE PROMHOTELS

Viale A. Volta, 72

Tel. 0039-055-553941

Fax 0039-055-587189

Att.n of Ms Carla Balli

e-mail: "Florence Promhotels-Carla" info@promhotels.it



NURT 2003 First Call

Dear colleague:

The NURT Symposia are one of the key Cuban scientific meetings dealing with the peaceful applications of nuclear techniques in all domains of the society. They are arranged with a two-year frequency and provide a unique opportunity for the international scientific community to meet outstanding researchers and to discuss current trends and tasks in several areas of applied, nuclear related topics. The first editions of the NURT were organized under the auspices of the International Atomic Energy Agency in 1997, 1999 and 2001, and hosted delegates and invited scientists from more than 40 countries from all over the world. The NURT'2003 will be arranged by the Centro de Estudios Aplicados al Desarrollo Nuclear (CEADEN) in cooperation with the International Atomic Energy Agency (IAEA) and will be devoted to the presentation of results and the discussion of current problems in various fields of applied research.

SCOPE:

NURT'2003 will joint several Workshops:

TRACE AND MICRO ANALYSIS TECHNIQUES.

NUCLEAR INSTRUMENTATION

INTERACTION OF RADIATION WITH MATTER.

RADIATION TECHNOLOGIES & PLANT MUTATION BREEDING

NUCLEAR AND RELATED TECHNIQUES FOR STRUCTURAL EVALUATION OF AGING IN METALLIC MATERIALS AND COMPONENTS

VIII WORKSHOP ON NUCLEAR PHYSICS

The VIII WONP will focus on presentations describing the results of theoretical and experimental works gathering information on:

- Nuclei structure, nuclear reactions, structure and interactions of nucleons.
- Astrophysics and elementary particles.
- Radio-activation beams.

For more detailed information, we invite you to visit our Web page at: <http://www.ceaden.cu/nurt2003/index.asp>

You can also receive information in plain ASCII text format by sending an e_mail message to nurt@ceaden.edu.cu containing the text line "send info" in the Subject line.

We kindly ask you to forward this message to any colleague that might be interested in the scope of our Symposium. It would be a real pleasure to meet you at our beautiful venue next October.

Kind regards,

M. Sc. Arian Abrahantes Quintana
Organizing Committee NURT 2003

35TH INTERNATIONAL SYMPOSIUM OF ARCHAEOLOGY

Dear colleagues:

The 35th International Symposium of Archaeology to be held in Zaragoza (Spain) in 2004 has been renumbered to be the 34th because the meeting of 2003 in China has been delayed.

We would like to remember you that the web site of the symposium is available at the address: <http://www.archaeology2004.info>

There you will find a preinscription form that you can fill in order to receive further information of the meeting.

Do not hesitate to contact us for any complementary information you could need.

Best regards,

Josefina Perez-Arantegui (chairman)
Mario Vendrell (inscription and abstract handling)
ARCHAEOLOGY 2004 Zaragoza (Spain)

URL: <http://www.archaeology2004.info>

ΝΕΕΣ ΕΚΔΟΣΕΙΣ – NEW PUBLICATIONS

NEW ISSUE OF ARCHAEOLOGIA BULGARICA

Issue 7, 2003/2 (the 20th one) of Archaeologia Bulgarica will be published in a week.
<http://www.techno-link.com/clients/lvagalin/index.html>

Best,

L.F.Vagalinski
archaeologist & publisher
Sofia

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ΘΕΣΕΙΣ ΕΡΓΑΣΙΑΣ/ΥΠΟΤΡΟΦΙΕΣ –
JOB VACANCIES/FELLOWSHIPS

CANADA RESEARCH CHAIR AT
UNIVERSITY OF WATERLOO

Applications are being accepted for the position of Canada Research Chair in Language and Culture (Tier 1) The Faculty of Arts at the University of Waterloo invites applications for a Tier 1 Canada Research Chair in Language and Culture to begin as soon as September 1, 2003. The purpose of this chair is to design and develop pioneering research in technologically-mediated linguistic and cultural studies. Based in UW's Canadian Centre for Cultural Innovation, the chair holder will work with colleagues in Anthropology, Classical Studies, Drama and Speech Communication, English Language and Literature, French Studies, Germanic and Slavic Studies and Spanish and Latin American Studies and to develop new methods for understanding language learning and teaching, to explore new design techniques for multimedia projects, and to create new analytic/theoretical bases for evaluating the impact of technology on the development and understanding of culture.

In keeping with the University of Waterloo's Strategic Research Plan, this position will be of interest to a senior expert in the interaction of technology and culture with experience in multimedia for humanities computing, hypertext, text analysis and computational linguistics and the interaction of technology and culture. The successful candidate will have not only an outstanding research record in the theory of language, rhetoric and discourse as applied to and through technology but also significant applied experience in cultural activities such as film, video, museum exhibits, etc. She/he will be expected to create a dynamic research program designed to attract a significant number of graduate students and postdoctoral fellows to the research laboratory. The lab will provide facilities to create, produce, and edit digital texts, music, art and cultural products such as exhibits.

Nominations and applications including a curriculum vitae, a five-year research plan and three (3) confidential letters of reference sent under separate cover should be forwarded by June 15, 2003 to Dr. Robert R. Kerton, Dean of Arts, University of Waterloo, 200 University Avenue West, Waterloo, Ontario, Canada N2L 3G1. Please note that all CRC appointments are subject to final review by the CRC Secretariat.

The University of Waterloo encourages applications from all qualified individuals, including women, members of visible minorities, native peoples, and persons with disabilities.

This appointment is subject to the availability of funds.

SALARIED PHD POSITION **AEGEAN PREHISTORY** **GRONINGEN, THE NETHERLANDS**

FACULTY OF ARTS, UNIVERSITY OF GRONINGEN, THE NETHERLANDS

****PhD position (salaried)****
Aegean prehistory
Groningen Institute of Archaeology

Applications are invited for a 4-year salaried PhD position tenable from 1 September 2003 in the Groningen Institute of Archaeology (GIA). The PhD project is part of a multidisciplinary research project entitled Shifting identities, social change and cultural interaction in the southern Greek mainland, 2000-1500 BC financed by the National Research Centre of the Netherlands. The main aim of the project is to interpret social and cultural change during the Middle Helladic period by means of an integrated investigation of funerary, skeletal, settlement and iconographic evidence. The project is directed by Dr. S. Voutsaki and the project team consists of Dr. J. Jelsma (analysis of skeletal material), Dr. A.J. Nijboer (radiocarbon analysis) and a student assistant.

JOB DESCRIPTION

The successful candidate will undertake doctoral research on the topic "Mortuary differentiation and social structure in Middle Helladic Argolid, 2000-1500BC". He/she will be posted in the section Classical and Mediterranean Archaeology, Groningen Institute of Archaeology (GIA). The PhD thesis and resulting publications will be in English.

A more detailed description of the research design can be obtained by the Secretary of the Groningen Institute of Archaeology, Mrs M. Bierma, tel. 0031 50 3636712, e-mail: m.bierma@let.rug.nl

The successful candidate will have:

- MA -or equivalent degree- in Classical or Mediterranean Archaeology
- knowledge of Aegean prehistory
- awareness of recent developments in archaeological theory
- experience with statistical analysis of archaeological data
- willingness to work in a multidisciplinary environment
- fieldwork experience in the Mediterranean.

The monthly salary will be € 1501 (before tax; € 1232 after tax) during the first year and will increase to a maximum of € 2143 (before tax; € 1524 after tax) in the last year. The position is for four years; the doctoral dissertation will have to be submitted by the end of the fourth year. An appraisal will take place at the end of the first year to assess progress

made so far. The Faculty of Arts, University of Groningen particularly welcomes applications by women candidates.

APPLICATION PROCEDURE

Candidates should send an application letter and a short curriculum vitae (both in English) to the following address:

Rijksuniversiteit Groningen
Afdeling Personeel & Organisatie
Postbus 72
9700 AB Groningen
The Netherlands

Or to:

e-mail vmp@bureau.rug.nl

The candidates should arrange for two reference letters to reach this (postal or e-mail) address by the closing date. The closing date for both applications and reference letters is 28 May 2003. No late applications will be accepted.

Application letters and reference letters should refer to 'vacature nummer' 203130, position: 'AIO klassieke en mediterrane archeologie'.

As we are operating under a tight schedule, it is essential that candidates include in their application a phone number and an e-mail address where they can be contacted shortly after the closing date.

Interviews of short-listed candidates will be held in the first week of June 2003. Travel (from within Europe) as well as accommodation costs incurred by candidates will be reimbursed.

ADDITIONAL INFORMATION

For further information, please contact:

Dr. S. VOUSAKI

tel. 00 31 50 363 6726 (work), 00 31 50 309 5935 (home - evening hours)

e-mail s.voutsaki@let.rug.nl

ENVIRONMENTAL ARCHAEOLOGY **POST**

Queen's University, Belfast, UK
School of Archaeology & Palaeoecology

Ref: 03/W006A

This post is available immediately for 3 years within the Centre for Archaeological Fieldwork to conduct independent and collaborative research in the area of environmental archaeology. Areas that the School would be interested in promoting include radiocarbon dating, dendrochronology, palynology, osteoarchaeology, plant macrofossils and soil micromorphology.

Applicants must have a primary degree in archaeology or in a related subject, a completed PhD in environmental archaeology, preferably in the areas of plant macrofossils and/or palynology, and publications of good-quality research papers in a relevant field. Experience of archaeological fieldwork and excavation, preferably at supervisory or directorial level and in an interdisciplinary team, is desirable.

Further details will be given in the further particulars for the post. Salary Scale: £18,267 - £27,339 per annum

Closing Date: 5.00 pm, Friday 23 May 2003

Please visit our website to download the application pack - <http://www.qub.ac.uk/jobs> or alternatively contact the Personnel Department, Queen's University Belfast, BT7 1NN.

Telephone (028) 90273044 or (028) 90273854 (answering machine). FAX: (028) 90911040 or e-mail on personnel@qub.ac.uk

The University is committed to equal opportunities and to selection on merit. It therefore welcomes applications from all sections of society. Fixed term contract posts are available for the stated period in the first instance but in particular circumstances may be renewed or made permanent subject to availability of funding.

Dr. Eleni Asouti

Research Fellow

Institute of Archaeology

University College London

31-34 Gordon Square

London WC1H 0PY

UK

Tel (direct line): 020 7679 4723

Overseas: 44 20 7679 4723

Institute of Archaeology Fax: 020 7383 2572

Email: e.asouti@ucl.ac.uk

URL: <http://www.ucl.ac.uk/archaeology/staff/profiles/asouti.htm>

ARCHAEOLOGICAL SCIENTIST **ARCHAEOLOGICAL SCIENTIST** **ENGLISH HERITAGE, PORTSMOUTH**

ARCHAEOLOGICAL SCIENTIST

Salary £21,155 to £22,859 per annum depending on experience
Temporary Appointment for 8 months

Based at the Centre for Archaeology in Fort Cumberland you will provide advice on archaeological and historic finds of all periods to archaeological, scientific, conservation and technical specialists from within and outside English Heritage.

Your duties will also involve the examination, identification and analysis of both the products and waste products of past crafts and industries, particularly those relating to metals and glass, so excellent report writing and communication skills will be essential. You will also be expected to contribute to research projects.

With a relevant degree, you should have practical experience in one or more analytical techniques: XRF, XRD, SEM+EDX and metallography. You should work well as part of a team and have a flexible approach to problem solving. A small amount of fieldwork may be necessary, so you should be willing to travel when required.

This post is available for eight months from late July 2003 to provide cover for maternity leave.

For an application form and further details, please send an A4 sized self-addressed envelope (no stamp) quoting reference number J/015/03, to Sarah King, Human Resources, English Heritage, National Monuments Record Centre, Kemble Drive, Swindon, SN2 2GZ. Closing date for the receipt of applications is Friday 30th May 2003.

Dr Justine Bayley
English Heritage Centre for Archaeology
Fort Cumberland
Fort Cumberland Road
Eastney
Portsmouth PO4 9LD
Phone: 02392-856794
Fax: 02392-856701
Email: justine.bayley@english-heritage.org.uk

SMITHSONIAN SCMRE VACANCY **ANNOUNCEMENT**

The Smithsonian Center for Materials Research and Education (SCMRE), an internationally renowned organization specializing in the scientific study of museum artifacts and their materials, has a job opening for an Analytical Chemist. The incumbent provides expertise and services in the examination and analysis of museum objects. The ideal candidate will have a degree in Analytical Chemistry, Masters preferred, and be experienced in at least one of the following techniques: ICP-MS, LA-ICP-MS, XRD, XRF, and SEM-EDS.

Experience working with small samples and cultural materials is highly desirable. For a complete application package go to <http://www.si.edu/ohr/job.htm> #03SP-1171. The center is located in Suitland, MD. Federal Civil Service position. U.S. citizenship required.

Equal Opportunity Employer. Recruitment closes June 16, 2003.

Mark Hall

E-mail: markhall@gol.com

NERC MSC AND PHD STUDENTSHIPS **SCHOOL OF HUMAN AND** **ENVIRONMENTAL SCIENCES (SHES)**

UNIVERSITY OF READING – UK

Applications are invited from students with, or expecting to gain a First, or Upper Second Class honours degree in an appropriate discipline. The following awards are available from October 2003:

MSc/MA Awards

- **Geoarchaeology - 4 NERC Awards**
- This course aims to help you appreciate landscape from the interdisciplinary perspectives of geology and archaeology.
- <http://www.rdg.ac.uk/archaeology/Postgraduate/Geoarchaeology/course%20outline.htm>
- Dr M. G. Bell (m.g.bell@reading.ac.uk)
- **MA Archaeology**
- An inter-disciplinary MA programme allowing research and training across all areas of Archaeology expertise available.
- http://www.rdg.ac.uk/archaeology/Postgraduate/MA_Archaeology.htm
- Dr W. Matthews (archaeology@reading.ac.uk)

PhD Awards NERC/EPSRC/UNIVERSITY

Archaeology - 2 Awards

Dr W. Matthews (archaeology@reading.ac.uk)

GENERAL INFORMATION

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CSA NEWSLETTER VOL. 15, NO. 3

Announcing the Spring, 2003, issue of the _CSA Newsletter. Volume XVI, No. 1, of the _CSA Newsletter_ is now available at <http://csanet.org/newsletter/index.html#spring03>
Included in this issue are the following articles:

"Surveying the Northwest Wing of the Propylaea -- A Pilot Project" The prismless total station: easy to use, fast, convenient, but it can't measure what isn't there.
<http://www.csanet.org/newsletter/spring03/nls0301.html>

"Europe's Digital Inheritance: ARENA Archives Launched" Providing access to European archaeological data through a single web site is moving from the planning stage to reality. (Jon Kenny and William Kilbride)
<http://www.csanet.org/newsletter/spring03/nls0302.html>

"Surveying with Photographs -- PhotoModeler 5"
CSA's first experiment is a resounding success. <http://www.csanet.org/newsletter/spring03/nls0303.html>

"Email File Formats: Trickier Than I Thought" When will we no longer have to worry about file formats? When snowballs start freezing in Hell. (Harrison Eiteljorg, II)
<http://www.csanet.org/newsletter/spring03/nls0304.html>

"Termination of the CSA Archaeological Projects Database" Was it a good idea, or have search engines made it unnecessary?
<http://www.csanet.org/newsletter/spring03/nls0305.html>

SPRING 2003 ISSUE OF THE SAS **BULLETIN**

Spring 2003 issue of the SAS Bulletin is now available on-line at:
<http://www.socarchsci.org/sasb.htm>

ΑΝΑΚΟΙΝΩΣΗ - ANNOUNCEMENT

ANNOUNCEMENT FROM THE A. G. LEVENTIS FOUNDATION

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