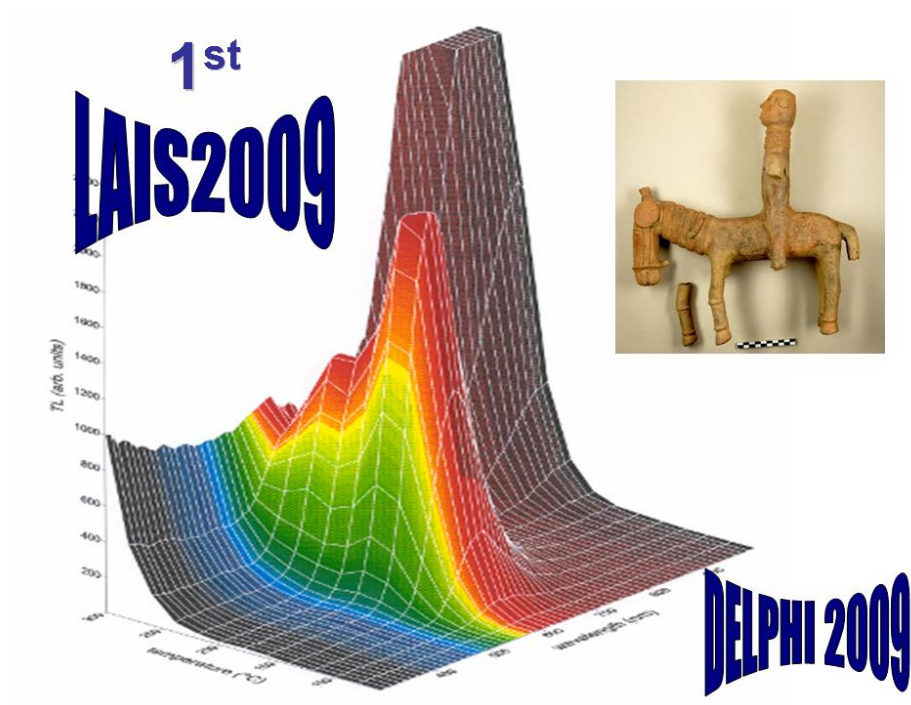


LUMINESCENCE IN ARCHAEOLOGY

INTERNATIONAL SYMPOSIA



L.A.I.S. 2009
9-12 September, Delphi, Greece

Dedicated to Prof. Martin Aitken (FRS)

Under the Auspices of

Ministry of National Education and Religious Affairs
Ministry of Culture

FINAL PROGRAM

September 9

WEDNESDAY

Registration - Welcome Cocktail (19:00 – 22:00)

DELPHI PALACE HOTEL

**September 10
THURSDAY**

REGISTRATION - OPENING CEREMONY

9:00 – 10:00

ARCHAEOLOGICAL DATING (STRUCTURES AND SETTLEMENTS) I

(10:00 – 11:50) Chair: I. Liritzis, D.A.G. Vandenberghe

**(P1) A REVIEW ON LUMINESCENCE SURFACE DATING OF LITHIC
MONUMENTS: 20 YEARS OF RESEARCH AND APPLICATIONS**

I. LIRITZIS

**(P2) FINAL PALAEOLITHIC SETTLEMENTS OF THE CAMPINE REGION
(NE BELGIUM) IN THEIR ENVIRONMENTAL CONTEXT:
OPTICAL AGE CONSTRAINTS**

**C. DERESE, D. VANDENBERGHE, M. VAN GILS,
B. VANMONTFORT, E. MEIRSMAN, F. MEES, P. VAN DEN HAUTE**

**(P3) OPTICALLY STIMULATED LUMINESCENCE AND
THERMOLUMINESCENCE DATING OF PREHISTORIC SETTLEMENT OF
GÜLPINAR (SMINTHEION)**

N. G. KIYAK, T. TAKAOĞLU, A. E. ERGINAL

(P4) OSL DATING OF TOMBS FROM AN IBERIAN NEOLITHIC NECROPOLIS

J. S. SÁNCHEZ, M.I. DIAS, D. F. MOSQUERA

11:50 – 12:20 coffee break

ARCHAEOLOGICAL DATING (STRUCTURES AND SETTLEMENTS) II

(12:20 – 14:00) Chair: A.K. Singhvi, N. Kiyak

**(P5) LUMINESCENCE DATING: NEW IMPROVEMENTS IN SAR PROTOCOL
AND NEW APPLICATIONS TO INDIAN ARCHEOLOGY (Invited)**

A.K.SINGHVI, N. CHAUHAN, Y.C. NAGAR, M. JAISWAL, S. MISHRA

**(P6) THE AGE OF THE ANCIENT CITY WALL SYSTEM AT THE TAYMA (NW
SAUDI ARABIA) –IMPLICATIONS DERIVED FROM OPTICAL DATING**

**N. KLASSEN, M. ENGEL, H. BRUECKNER, A. HAUSLEITER, R. EICHMANN,
P.I. SCHNEIDER, M.H. AL-NAJEM, S.F. AL-SAID**

**(P7) CHRONOLOGY OF CHICHEN ITZA, YUCATAN, MEXICO BY
THERMOLUMINESCENCE DATING**

H. CHUNG, A. RAMIREZ, P. SCHAAF, I. LEE

**(P8) BULGARIAN MEGALITHS – PRESENT STATE AND PERSPECTIVES
FOR FURTHER DATING INVESTIGATION**

L. V. TSONEV, D. Z. KOLEV

14:00 – 15:30 lunch break

**September 10
THURSDAY**

ARCHAEOLOGICAL DATING I

(15:30 – 17:20) Chair: M. Martini, J.S. Sánchez

(P9) LUMINESCENCE DATING OF MOSAIC GLASS (Invited)
M. MARTINI, A. GALLI

**(P10) TOWARDS LUMINESCENCE DATING OF TURQUOISE GEMSTONE
USING TL AND OSL METHODS**
B. SUBEDI, D. AFOUXENIDIS, G. S. POLYMERIS, N. C. TSIRLIGANIS,
K.M. PARASKEVOPOULOS, G. KITIS

(P11) HISTORICAL MORTAR: LUMINESCENCE FROM FINE GRAIN QUARTZ
A.M. GUELI, G. BURRAFATO, D. FONTANA, G. RISTUCCIA, G. STELLA,
S.O. TROJA, A.R. ZUCCARELLO

**(P12) INDIRECT DATING OF LATE PALAEOOLITHIC ROCK ART
AT QURTA (UPPER EGYPT) USING LUMINESCENCE SIGNALS
FROM ENTRAPPED SEDIMENT**
D.A.G. VANDENBERGHE, M. DE DAPPER, D. HUYGE, F. MEES, G. VELGHE

**(P13) OPTIMISATION OF PREPARATION AND MEASUREMENT PROTOCOLS
FOR LUMINESCENCE DATING OF SMALL SAMPLES FROM A SUITE
OF PORCELAINS AND FAIENCES**
C.I. BURBIDGE, A.L. RODRIGUES, M.I. DIAS, M.I. PRUDÊNCIO, G. CARDOSO,
M.O. FIGUEIREDO, T. SILVA, M.A. MATOS, A.M. PAIS

17:20 – 17:50 coffee break

ARCHAEOLOGICAL DATING II
(17:50 – 19:30) Chair: A. Zink, C. Burbidge

**(P14) 35-YEARS OF LUMINESCENCE DATING AS A TOOL
FOR FRENCH MUSEUMS**
E. PORTO, A. ZINK

TERRACOTTA ARTEFACTS -
**(P15) IS THERMOLUMINESCENCE ANALYSIS SUFFICIENT FOR
AUTHENTICATION?**
R. NEUNTEUFEL

**(P16) LUMINESCENCE DATING METHODS APPLIED TO RENAISSANCE
TERRACOTTA, THE CASE OF DELLA ROBBIA'S BOTTEGA**
A. ZINK, E. PORTO

**(P17) OPTICAL DATING OF THE PALAEOLOGIC CAVE SITE OF
XIAOGUSHAN, NORTHEASTERN LIAONING PROVINCE, CHINA**
J.-F. ZHANG, W.-W. HUANG, B.-Y. YUAN, L.-P. ZHOU

**(P18) ANALYSIS BY THERMOLUMINESCENCE (TL) OF ZAPOTEC CERAMICS
OF THE CAXONOS RIVER BASIN, OAXACA, MEXICO**
A. RAMIREZ, P. SCHAAF, E. ORTIZ

**September 11
FRIDAY**

DATING PROTOCOLS IMPROVEMENTS
(09:30 – 11:00) Chair: G. Kitis, S.H. Li

**(P19) iIRSL DATING OF K-FELDSPAR AND ITS APPLICATION TO
FAJIAGOUWAN, SALAWUSU SITE IN CENTRAL CHINA (Invited)**
S. H. LI, B. LI, A.G. WINTLE, H. ZHAO, G.M. YIN

**(P20) TOWARDS A SINGLE-ALIQUOT REGENERATIVE DOSE PROCEDURE,
SUITABLE FOR USE WITH PULSED OPTICALLY STIMULATED
LUMINESCENCE (Invited)**
M.L. CHITHAMBO, J.K. FEATHERS

**(P21) INVESTIGATION OF THE OSL SIGNAL FROM VERY DEEP TRAPS
IN QUARTZ**
G. KITIS, N.G. KIYAK, G.S. POLYMERIS, V. PAGONIS

11:00 – 11:30 coffee break

INFRASTRUCTURES AND DOSIMETRY I
(11:30 – 13:00) Chair: I.K. Bailiff, C.T. Michael

**(P22) SPATIALLY RESOLVED MEASUREMENTS OF PALAEODOSE AND DOSE
RATE: ISSUES AND EXPERIMENTAL REALITIES (Invited)**
I.K. BAILIFF

**(P23) THICK SOURCE ALPHA PARTICLE SPECTROSCOPY:
POSSIBILITIES AND PROSPECTS.**
C.T. MICHAEL, N. ZACHARIAS, A. HEIN

**(P24) THERMAL QUENCHING OF THERMOLUMINESCENCE IN NATURAL
AND SYNTHETIC QUARTZ SAMPLES; IMPLICATIONS FOR DATING**
G. S. POLYMERIS, B. SUBEDI, K. BAKOGLIDIS, D. AFOUXENIDIS,
S. RAPTIS, N. C. TSIRLIGANIS, G. KITIS

**(P25) ON THE SPECTRAL LUMINESCENCE EMISSION OF
WHITE MARBLE AND THE CASE OF AIANI (GREECE)**
J. GARCIA-GUINEA, E. CRESPO-FEO, V. CORRECHER, A. IORDANIDIS
G. CHARALAMPIDES, G. KARAMITROU-MENNESSIDI

13:00 – 14:30 lunch

14:30 – 15:30
Round Table Discussion (Int. Standing Committee)

September 11
FRIDAY

INFRASTRUCTURES AND DOSIMETRY II
(15:30 – 17:20) Chair: N. Zacharias, M.L. Chitambo

(P26) TIME-RESOLVED LUMINESCENCE OF VOLCANIC QUARTZ
M.L. CHITHAMBO

**(P27) FLASH PHOTOLYSIS OF MODERN AND FOSSIL BONE:
A POSSIBLE DATING METHOD?**
A. BARTSIOKAS

**(P28) PRELIMINARY TL AND OSL PROPERTIES OF NATURAL
AND ARTIFICIALLY IRRADIATED OBSIDIAN**
G. S. POLYMERIS, G. KITIS, D. GOGOY, D. AFOUXENIDIS, S. RAPTI,
G. I. DALLAS, N. C. TSIRLIGANIS

(P29) PRE-RESTORATION STUDY OF ETRUSCAN BUCCHERO VASE
M.G. KONONOVICH, A.Y. MAZINA, S.V. SOKOLOV, V.A. RASSULOV

17:20 – 17:50 coffee break

GEOARCHAEOLOGICAL DATING
(17:50 – 19:40) Chair: G.W. Wagner, W. Wallinga

(P30) LUMINESCENCE DATING – KEY TECHNOLOGY IN GEOARCHAEOLOGY
(Invited) G.A. WAGNER, A. KADEREIT

(P31) THE CHIEMGAU (GERMANY) IMPACT OSL DATING PROJECT
N. ZACHARIAS, I. LIRITZIS, K. ERNSTON, D. SUDHAUS,
A. NEUMAIR, W. MAYER, M.A. RUPPENGLUCK, B. RUPPENGLUCK

**(P32) UNDERSTANDING OF ARCHAEOLOGICAL DEPOSITS AND
SEDIMENTATION: OPTICAL DATING POTENTIAL OF LITHIC MICROWASTE**
G.J. SUSINO

**(P33) THE TIMING OF FLUVIAL LANDSCAPE EVOLUTION AROUND
ARCHAEOLOGICAL SITES IN THE UPPER KHABUR BASIN (NE SYRIA):
FEASIBILITY STUDIES USING OSL SIGNALS FROM FINE-GRAINED QUARTZ**
D.A.G. VANDENBERGHE, K. DECKERS, T. WILKINSON, G. VELGHE

**(P34) OPTICAL DATING OF A BURIAL MOUND CONSTRUCTED OF STACKED
SODS – A FEASIBILITY STUDY OF NON-DESTRUCTIVE AGE PROSPECTION**
J. WALLINGA, P.J. LEMMERS, D.R. FONTIJN, R. JANSEN, J. VAN DER PLICHT

19:40 – 20:00

Final Conclusions – Appointment of next *LAIS*

21.00 GALA DINNER

Tribune to retired Prof Gunther Wagner