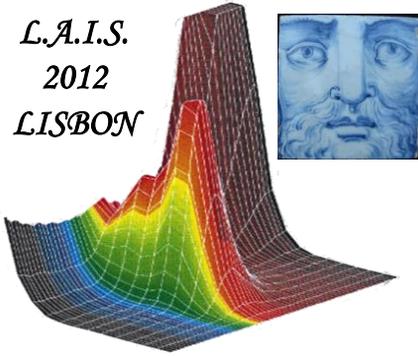


L.A.I.S.  
2012  
LISBON



<http://www.lais2012.itn.pt>  
[L.A.I.S.2012@itn.pt](mailto:L.A.I.S.2012@itn.pt)

GeoLuc, UCQR,  
Instituto Tecnológico e Nuclear,  
EN10, 2686-953 Sacavem, Portugal



# *2<sup>nd</sup> Luminescence in Archaeology International Symposium L.A.I.S. 2012 LISBON*

*5<sup>th</sup> - 7<sup>th</sup> of September, 2012*

*Exploration of the potentialities and limitations of luminescence and related analyses for materials and questions of archaeological and cultural heritage significance:*

*Technical foci:*

*- Context, Method and Phenomenon*

*Archaeological themes:*

*- Megaliths and megalithism*

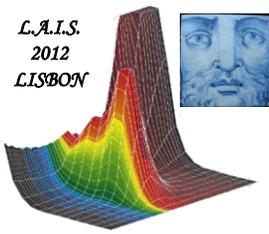
*- Ceramics, glass and vitreous materials*

*- Reconstruction of environments in archaeological sites*

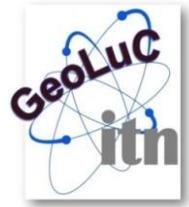
## *IMPORTANT DATES*

*Submission of Abstracts – Until 30<sup>th</sup> March 2012*

*Early Payment of Registration Fee – Until 1<sup>st</sup> June 2012*



# INVITATION



The 2<sup>nd</sup> Luminescence in Archaeology International Symposium will be held in Lisbon, Portugal, from the 5<sup>th</sup> to the 7<sup>th</sup> of September, 2012. It will be hosted by the Group of Applied Geochemistry & Luminescence on Cultural Heritage ([GeoLuc](#)), Instituto Tecnológico e Nuclear ([ITN](#)), Sacavém, Portugal.

L.A.I.S. is an international initiative focussing on the use of luminescence for the dating and analysis of materials and questions of archaeological significance; in addition it supports archaeological and archaeometrical communities of the World to further develop and expose luminescence issues.

L.A.I.S. 2012 continues the series of symposia initiated in [Delphi 2009](#), which focus on presentation and exploration of the potentialities and limitations of luminescence and related analyses, for materials and questions of archaeological and cultural heritage significance. L.A.I.S. Symposia aim at bringing together experts in the fields of luminescence, archaeology and archaeological materials from around the world for the exchange of knowledge.

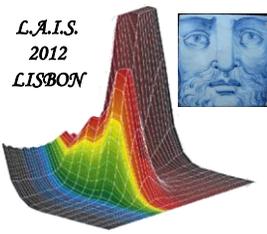
Presentations are invited to focus on either contextual, methodological or phenomenological aspects of luminescence studies in archaeology and cultural heritage, including dating and material characterisation. For LAIS 2012 presentations are invited to address archaeological issues related to the following broad themes: megaliths and megalithism; ceramics, glass and vitreous materials; reconstruction of environments in archaeological sites.

Oral and poster presentations based on an integrated multidisciplinary approach are encouraged (i.e. co-authorship by luminescence specialists, archaeologists, archaeometrists, (geo)chemists, geomorphologists, geologists, palaeoenvironmentalists, physicists), as are applications for oral presentations by students.

Articles based on oral and poster presentations will be eligible for submission to a special issue of [Mediterranean Archaeology and Archaeometry](#) for peer reviewed publication.

C.I. Burbidge,  
Inv.Aux.Contr. Física Aplicada,  
GeoLuc, UCQR, ITN.

On behalf of  
I. Liritzis  
L.A.I.S. President



# PEOPLE



## **Local Organising Committee**

*C.I. Burbidge*

*M.I. Dias*

*M.I. Prudencio*

## **Secretariat**

*G.J.O. Cardoso*

*D. Franco*

*R. Marques*

*A.L.S. Rodrigues*

## **Local Scientific Committee**

*M.J. Trindade, GeoLUC, UCQR, ITN, Portugal.*

*A. Valera, ERA Arqueologia SA., Portugal*

*L. Oosterbeek, Instituto Politécnico de Tomar, Portugal*

*V. Corrigidor, U.F.A. ITN, Portugal*

*J. Sanjurjo Sánchez, IUXIPP, Universidade da Coruña. Spain*

*V. Correcher, Ciemat, Madrid, Spain*

## **International Standing Committee**

**President:** *I. Liritzis, University of the Aegean, Greece*

**Chairman:** *N. Zacharias, Uni of Peloponnese, Greece*

### **Members:**

*I. Bailiff, Durham University, U.K*

*M. Chithambo, Rhodes University, S. Africa*

*J. Feathers, University of Washington, U.S.A*

*M. Martini, University of Milano Bicocca, Italy*

*A. Murray, Riso National Laboratory, Denmark*

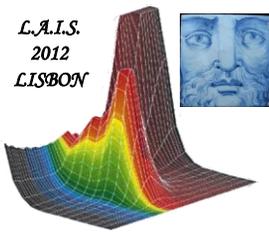
*D. Richter, Max-Planck-Institute, Leipzig, Germany*

*R. Roberts, University of Wollongong, Australia*

*S.H. Li, University of Hong Kong, China*

*A.K. Singhvi, Phys. Research Laboratory, Navarangpura, India*

*G. Wagner, University of Heidelberg, Germany*



# SCOPE



*Presentations will explore the analysis of archaeological and art-historical materials, natural materials contextualizing them or modern analogues, using luminescence signals. Sessions will be organised according to the following archaeological themes and technical foci:*

## *Theme 1 - Megaliths and megalithism*

## *Theme 2 - Ceramics, glass and vitreous materials*

## *Theme 3 - Reconstruction of environments in archaeological sites*

### *Focus 1 - Context*

*The focal issue will relate to the context in or to which the analyses are applied, and its implications for the methods and materials used. The context may be the physical archaeological remains, the theoretical/historical frameworks, or the organisational means for the work (e.g. “research or rescue”).*

### *Focus 2 - Method*

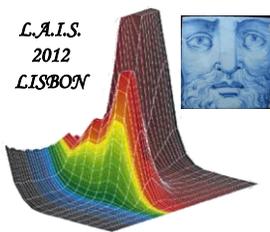
*The focal issue will relate to the analytical methodology. Presentations may describe the testing, evaluation, refinement or development of techniques, methods or instrumentation, and implications for their archaeological application. The methods may be for luminescence, radiation, or (geo)chemical measurement; absorbed dose, dose-rate, or age estimation as a whole.*

### *Focus 3 - Phenomenon*

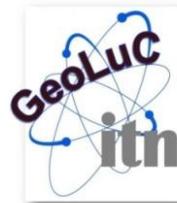
*The focal issue will relate to the understanding of material characteristics and behaviours. Presentations may relate physical and (geo)chemical phenomena to archaeological realities, through controlled experimental studies and/or examination of theories or models of luminescence and dosimetric processes.*

*Oral and poster presentations based on an integrated multidisciplinary approach are encouraged (i.e. co-authorship by luminescence specialists, archaeologists, archaeometrists, (geo)chemists, geomorphologists, geologists, palaeoenvironmentalists, physicists), as are applications for oral presentations by students.*

*The objectives of presentations should be to define a problem and its relevance to the field of study, then describe how it is being addressed and indicate the impacts and potentialities of this work. Senior practitioners of luminescence methods in archaeology will present overviews of selected topics.*



# PROGRAM



## Important dates

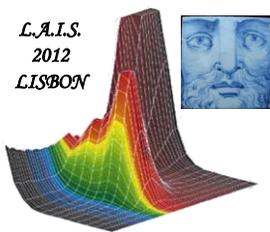
<i>Deadline for abstract submission</i>	<i>30<sup>th</sup> March 2012</i>
<i>Communication of acceptance for oral/poster presentation</i>	<i>4<sup>th</sup> May 2012</i>
<i>Deadline for receipt of early registration payment</i>	<i>1<sup>st</sup> June 2012</i>
<i>Deadline for registration payment</i>	<i>5<sup>th</sup> September 2012</i>
<i>L.A.I.S. Conference</i>	<i>5<sup>th</sup> - 7<sup>th</sup> September 2012</i>
<i>Deadline for submission of manuscripts</i>	<i>1<sup>st</sup> October 2012</i>

## Conference timetable

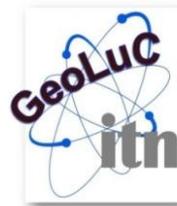
*An indicative conference program is shown below.*

*This may alter as a function of the nature of the submissions for presentation.*

	<i>Wednesday 5<sup>th</sup></i>	<i>Thursday 6<sup>th</sup></i>	<i>Friday 7<sup>th</sup></i>
09:00	<i>Registration</i>	<i>Registration</i>	<i>Registration</i>
	<i>President's address</i>	<i>Invited Speaker</i>	<i>Invited Speaker</i>
	<i>Invited Speaker</i>	<i>Session 5</i>	<i>Session 7</i>
	<i>Session 1</i>		
11:00	<i>Coffee</i>		
	<i>Session 2</i>	<i>Session 6</i>	<i>Session 8</i>
12:40	<i>Lunch</i>		
14:20	<i>Session 3</i>	<i>Poster Session</i>	<i>Session 9</i>
16:20	<i>Coffee</i>	<i>Visit Sé-Catedral</i>	<i>Closing Ceremony</i>
18:00	<i>Session 4</i>	<i>Visit Castelo São Jorge</i>	
		<i>Conference Dinner "Balear"</i>	



# ABSTRACTS AND REGISTRATION



## *Abstract Submission*

*Abstracts must be prepared using the template sent with this announcement and available on the conference website, "L.A.I.S.2012\_Abstract\_Template.doc".*

*Abstracts must be submitted by email to the conference organizers, at <[L.A.I.S.2012@itn.pt](mailto:L.A.I.S.2012@itn.pt)> before the 30<sup>th</sup> of March 2012.*

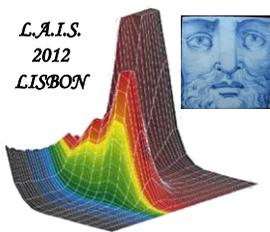
## *Registration*

*Registration must be conducted by filling in the form sent with this announcement, which is also available from the conference website, and emailing it to the conference organizers <[L.A.I.S.2012@itn.pt](mailto:L.A.I.S.2012@itn.pt)>.*

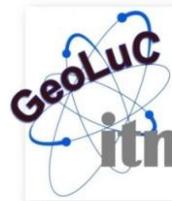
	Registration Fee		Conference Dinner
	Payment before 1st June 2012	Payment after 1st June 2012	
<i>Professional</i>	€200	€250	€40
<i>Student</i>	€120	€170	€40
<i>Accompanying Person wishing to enter ITN</i>	€50	€50	€40

*The registration fee includes attendance, book of abstracts, lunch and coffee breaks, and conference visits. The Professional fee also includes a paper copy of the L.A.I.S. special issue of [Mediterranean Archaeology and Archaeometry](#), which is not included in the Student or Accompanying Person fees.*

*L.A.I.S. 2012 participants are responsible for arranging their own accommodation. A number of hotels convenient for public transport to ITN are indicated on page 11.*



# PAYMENT DETAILS



*Payment of the registration fee and conference dinner is accepted by bank transfer, cheque (Portuguese nationals), or cash. Credit card payment to ITN is not presently available. All payments must be made in EURO (€.)*

*In the case of bank transfers:*

- any fees must be paid by the sender (if in doubt please contact the organizers)*
- proof of transfer must be sent to the LAIS2012 organizers by the participant*
- notification of will be provided by the LAIS2012 organizers once proof and payment are received.*
- the transfer MUST be headed by "ITN/LAIS2012/Participant Name ". \*\*please make sure this is inserted in the transfer details before you are asked to confirm them as you will not be able to add it afterwards and this will delay the processing of your payment\*\**

## Payment Details

Recipient (cheques): **ITN/LAIS2012**

Recipient reference (transfers): **ITN/LAIS2012/Participant Name**

Recipient Bank: **CAIXA GERAL DE DEPÓSITOS, S.A.**

Recipient Bank Address: Av. João XXI, nº 63 - 1000 - 300 Lisboa

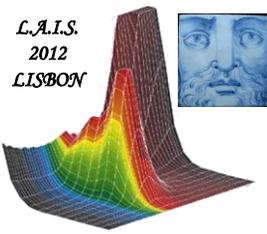
Recipient IBAN: **PT 50 0035 0703 00010564330 71**

Recipient SWIFT: **CGDIPTLP**

*For all payment methods:*

- co-signed receipts, and certificates of attendance, will be provided to attendees at the conference.*
- if in doubt please contact the conference organizers at <[LAIS2012@itn.pt](mailto:LAIS2012@itn.pt)>.*

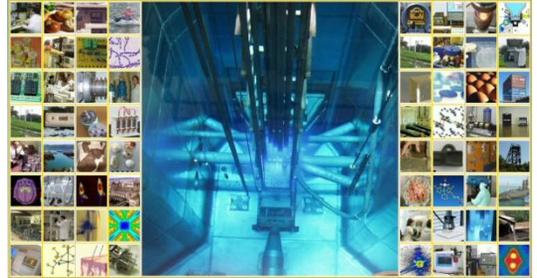
L.A.I.S.  
2012  
LISBON



# VENUE



The [Instituto Tecnológico e Nuclear](#) is a government research institute with 50 years of contribution to the development of knowledge in collaboration with the scientific community in Portugal and internationally.



ITN is based in a scenic 10 ha science park next to the town of Bobadela at the doorway to Lisbon and is well served by main road, rail and air networks.



## **Auditorium**

Oral presentations will be made in the fully equipped 156 seat auditorium located in the library building of ITN.

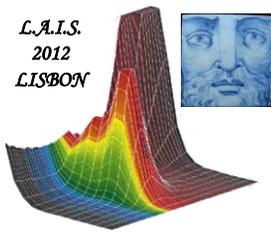
Poster presentations will be made in an adjacent room.



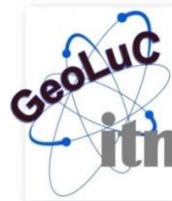
## **Refreshment**

Luncheon, and refreshments during breaks between sessions will be served in the "VIP Room" of the ITN Canteen, adjacent to the Library Building.





# VISITS AND CONFERENCE DINNER



## Visits

On Thursday afternoon, 6<sup>th</sup> of September, participants will be taken by bus directly to the Sé (See) of Lisbon in the city centre.

A functioning place of worship under the auspices of the [Patriarcado de Lisboa](#) the [Sé](#) is the oldest church in the city, having been founded on the site of an earlier mosque following the Christian re-conquest of Lisbon in the 12<sup>th</sup> Century. In addition to the history, architecture and materials of the church and cloisters, it contains an exhibit of historic ecclesiastical articles in halls lined with painted canvases. The cloisters contain an area of open archaeological excavations exhibiting sequences of occupation from the Iron Age onwards.

From the Sé, narrow streets of richly tiled Pombaline buildings lead, via the preserved excavations of a [Roman Theatre](#), to the [Castelo São Jorge](#). While focussed on the 11<sup>th</sup> century Moorish fortification, with alterations until the 19<sup>th</sup> century, the castle and its grounds encompass a museum, an open excavation of Prehistoric and Moorish occupation levels, the ruins of the former Royal Palace of the Alcáçova. They also offer fine views over the city and bay, as well as opportunities for refreshment.

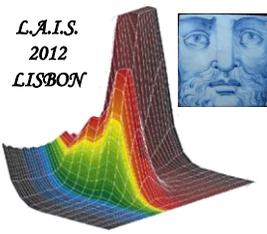
## Conference Dinner

### [RESTAURANTE CERVEJARIA BALEAL](#)

Rua da Madalena 265 1100 Lisboa, Portugal

The conference dinner will be held at the [Restaurante Cervejaria Baleal](#) in the “Baixa de Lisboa” (downtown Lisbon), following the visits. It is a traditional Portuguese restaurant serving quality dishes and specializing in sea-food, located just downhill from the Sé-Cathedral and Castelo São Jorge, close to Rossio and Baixa-Chiado metro stations.





# TRAVEL



## *Arrival by air*

Lisbon International Airport (LIS), Portela, is the main airport serving the region. It is located approximately 8 km from ITN and 7 km from Lisbon city centre.

Transport to or from the airport is presently by taxi or bus (22 to Roma Areeiro, 44 to Oriente/Parque das Nações, or Airport Express to City Centre or Oriente/Parque das Nações). A new metro line serving the airport is due to be inaugurated during 2012.

[Airport to ITN](#) c. 8 km, c. €10 taxi

[Airport to Roma-Areeiro](#) c. 3 km, c. €5 taxi

[Bus map](#)

[Airport Express](#) Bus (and tourist services)

## *Transport to and from ITN*

Transport to and from ITN is best accomplished by means of the suburban train network,

[ITN is 3 minutes walk from Bobadela train station.](#)

6 trains per hour run to/from Bobadela at peak times (07:00-09:30, 17:00-19:30), 2 at off-peak times

To get directly to Bobadela from Roma-Areeiro (journey time approx. 20 min), use trains with destinations Alverca and Azambuja (plus destination Castanheira do Ribatejo from Oriente or Santa Apolonia)

To get directly to Roma-Areeiro from Bobadela, use trains with destinations Sintra and Alcantara Terra (plus destination Santa Apolonia to Oriente or Santa Apolonia)

For those wishing to stay in the centre of Lisbon or to transfer to the train at Oriente, the Lisbon metro system is conveniently inter-linked with the suburban train network, but the journey time will be longer.

[Suburban train map \(Azambuja line including Bobadela\)](#)

[Suburban train timetable \(Azambuja line including Bobadela\)](#)

[Metro map](#)

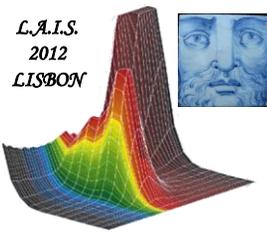
The same rechargeable ticket, "Via Viagem", can be used on public transport in greater Lisbon (bus, tram, metro, suburban trains: [not tourist services or airport express](#)).

To mix freely between transport modes, "[Zapping](#)", it must be charged with a cash value rather than with a number of journeys using a particular mode. All tickets must be validated on entry to stations/lines/busses by swiping a detector, subject to a fine.

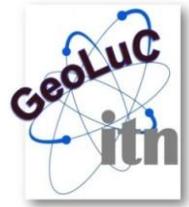


For those arriving by car (coords [38° 48'41.06"N / 09° 5'36.10"W](#)) parking is available within the ITN site, but advance notice must be given since vehicle/owner details are required in order for it to be admitted.

Alternatively, a large car park pertaining to a local hypermarket is located opposite ITN.



# ACCOMMODATION



L.A.I.S. 2012 participants are responsible for arranging their own accommodation.  
A number of hotels convenient for public transport to ITN are indicated below.

## "Hotéis Roma-Areeiro Lisboa"

- Selection of 5 hotels/residences within easy walking distance of Roma-Areeiro train/metro stations
- €50-€80 per night (20 min train journey to Bobadela)

## "Hotéis Parque das Nações Lisboa"

- Selection of 6 hotels within easy walking distance of Oriente train/metro station
- €80-€110 per night (10 min train journey to Bobadela)

## "Hotéis Entrecampos Lisboa"

- 5 hotels within easy walking distance of Entrecampos train/metro station
- wide range of prices (30 min train journey to Bobadela)

A larger number of hotels, pensions and hostels are available in Lisbon city centre, but a combination of metro and train is required to get to ITN

