

## Host City

Lisbon, the capital of Portugal, is a very attractive setting spread over seven hills, boarding the Tagus River and facing the Atlantic Ocean.

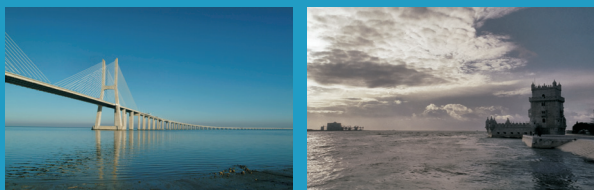
Historians attribute to the Phoenicians the foundation of Lisbon around 1200 BC. Since then Celts, Romans, Visigoths and Moors successively occupied Lisbon, the later having remained in the country for four centuries until 1147, when the first king of Portugal, D. Afonso Henriques, conquered the city. Lisbon became the capital of Portugal in 1255.

In 1755 Lisbon was severely damaged by a strong earthquake but it was rebuilt soon after under the leadership of Marquês de Pombal.

Nowadays Lisbon shows relevant contrasts from wide avenues to narrow and picturesquely narrow streets and paths, and from monuments and museums to modern multi-storey buildings and shopping centres. Nightlife in Lisbon is well known by locals and visitors, specially the typical old districts of Alfama, Madragoa and Bairro Alto where many "Casa de Fado", in which rich gastronomy, typical national song – the Fado and regional dances can be enjoyed.

The site of the last World Exhibition of the 20<sup>th</sup> century, the EXPO 98, is now used for cultural events, which will be available to the congress participants and their companions.

We are pleased to welcome you to Lisbon.



## Bulletin n° 2

Bulletin n° 2, to be issued in March 2008, will contain further details of the program, including final themes, sessions, short courses and registration procedures.

Transportation, accommodations and other details of the conference will also be detailed in Bulletin n° 2.

## Call for Papers

Engineers, researchers, teachers and other professionals are invited to submit papers for review, dealing with one or more subjects of the Conference related to pile engineering. Emphasis will be placed on high strain dynamic tests, new methods, innovation and well-documented test results and case histories.

## Contact Us

If you have questions about the Conference, please feel free to contact us:

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Att. Prof. Jaime Santos  
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## Important Dates

- Abstract submission**  
June 25th, 2007
- Manuscript submission deadline**  
November 30th, 2007
- Manuscript acceptance notification**  
December 31st, 2007
- Final manuscript**  
March 31st, 2008
- Conference**  
September 8-10, 2008

Bulletin n° 1  
CALL FOR PAPERS

# Stress Wave

Lisbon | 2008



8-10 | September

The 8th International  
Conference on the

**Application of  
Stress Wave  
Theory to Piles**

**Science, Technology  
and Practice**

## Invitation

The International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), the Portuguese Geotechnical Society (SPG), and Instituto Superior Técnico of the Technical University of Lisbon (IST/UTL), invite you to participate in the 8<sup>th</sup> International Conference on the Application of Stress-Wave Theory to Piles that will be held in Lisbon from Sept. 8-10, 2008.



## Conference Objectives and Themes

The main objective of the conference is to create a forum for exchange of ideas and experience between researchers, equipment manufacturers and practicing engineers regarding the application of stress-wave theory to piles and other relevant problems and developments on dynamic testing and its relation to the foundation engineering.

In order to widen the contribution of all participants, the conference format will comprise parallel sessions. State-of-the-art presentations of technological developments will also be featured. The conference will also include invited keynote lecturers and presentation and discussion of selected papers in plenary sessions.

Themes will address the following:

1. Wave mechanics applied to pile engineering
2. Relationship between static resistance to driving and long-term static soil resistance
3. Case histories involving measurement and analysis of stress waves
4. Dynamic monitoring of driven piles
5. Dynamic soil-pile interaction models. Numerical and physical modelling
6. High-strain dynamic test
7. Low-strain dynamic test
8. Rapid-load test
9. Monitoring and analysis of vibratory driven piles
10. Correlation of dynamic and static load tests
11. Quality assurance of deep foundations using dynamic methods
12. Incorporation of dynamic testing into design codes and testing standards
13. Ground vibrations induced by pile motions
14. Dynamic measurements in ground field testing

## Short Courses

A set of 1-day short courses, covering pile engineering will be held, addressing the application of different methods and interpretation of test results. The Short Courses will be held on Sunday, September 7, 2008, prior to the Conference.

## Technical Exhibition

A technical exhibition will be held as part of the Conference, presenting equipment and interpretation methods and other services from leading companies and manufacturers.

## Conference Venue

The Conference will be held at the Campus of IST/UTL: <http://www.ist.utl.pt> located in the heart of the city.

A wide range of hotels of varying costs is available near the conference facilities. Special prices will be arranged for the participants.

## Conference Web Page

The latest information is available on the conference web page:

<http://www.civil.ist.utl.pt/sw2008/>

This web page will allow online registration and exchange of information with the authors.



## Best Paper Competition

To encourage young researchers interest in pile dynamics issues, the organizing committee invites all authors under 30 years old to join the paper competition. The winner of the competition will receive a cash prize of 1000 Euros. Detailed instructions will be provided after abstract acceptance.

## Organizing Committee

**Chairman:** Jaime Santos (IST/UTL)

Emanuel Maranha das Neves (IST/UTL)

Carlos Santos Pereira (IST/UTL)

Nuno Guerra (IST/UTL)

Pedro Melo (IST/UTL)

António Viana da Fonseca (FEUP)

Armando Antão (FCT/UNL)

João Portugal (LNEC)

Paulo Pinto (FCT/UC)

## Conference Advisory Committee

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