



international conference on structural health assessment of timber structures

Lisbon • 16-17 June 2011

Dear colleagues

On behalf of the organizing committee please find below the First announcement regarding the conference ***Structural Health Assessment of Timber Structures – SHATiS'11*** that will take place in Lisbon, Portugal, between the 16th and the 17th of June 2011.

Scope and aims

Structural health assessment of timber structures embraces different procedures intended to evaluate the safety and serviceability of the structure and assuring, extending or sustaining its predicted service life. Service life sustainability can be promoted at the construction stage by incorporation of monitoring systems or by providing tools and procedures that can assist experts to deliver accurate reports about the structural condition and safety of timber structures in situations when due to visible deterioration or change of use the viability of these structures is questioned.

Conservation and assessment of timber structures is based on a multidisciplinary approach, embracing wood properties, wood degradation, performance of joints, timber structural behaviour and timber design. This work often involves the need for reliable non destructive testing methods.

All the activities are carried out having in mind the need to provide information about the mechanical properties of timber members, the mechanical behaviour of joints and to assess the conservation problems of the structure, which is essential to a reliable structural safety analysis. The analysis will give guidance to the conservation, replacement or strengthening works needed to ensure an adequate safety level.

SHATiS'11 conference aims at bringing together researchers and professionals involved in the field, constituting a forum for exchanging of experiences and discussing of subjects related to the appraisal and conservation of timber structures, including innovative methods and application of new technologies for monitoring, diagnosis, repair and strengthening of timber structures.

Topics

Theme A: Codes and guidelines for structural safety assessment

Theme B: Learning from case studies

Theme C: Condition assessment of timber members and joints, including non-destructive methods

Theme D: Structural monitoring, conservation and strengthening

Organizing committee

Chairman: José Saporiti Machado (LNEC)

Members: José Carlos Rodrigues (IICT)

Jorge Branco (UM)

Lina Nunes (LNEC)

Paulo Lourenço (UM)

Pedro Palma (LNEC)

Teresa Fonseca (LNEC)

Institutions involved in the organization

LNEC: National Laboratory of Civil Engineering

UM: University of Minho

IICT: Tropical Scientific Research Institute

Local

LNEC, Lisbon, June 16-17, 2011

Key dates

Deadline for abstract submission – 1th of June 2010

Notification of abstract acceptance with review comments – 30th of September 2010

Deadline for paper submission – 1th of December 2010

Notification of papers acceptance with review comments 31th of January 2011

Deadline for submission of final version of the papers – 15th of March 2011

shatisinfo@lnec.pt