



LABORATÓRIO NACIONAL
DE ENGENHARIA CIVIL



Universidade do Minho



SHATIS'11

**International conference
on structural health assessment
of timber structures**

Lisbon • 16-17 June 2011

Codes and guidelines for structural safety assessment

Learning from case studies

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

Structural monitoring, conservation and strengthening

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

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Key dates

Deadline for abstract submission	1 st of June 2010
Notification of abstract acceptance with review comments	30 th of September 2010
Deadline for paper submission	1 st of December 2010
Notification of papers acceptance with review comments	31 th of January 2011
Deadline for submission of final version of the papers	15 th of March 2011

Endorsee by



International Council on
Monuments and Sites
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International Scientific Committee on the Analysis and
Restoration of Structures of Architectural Heritage



Information

about the **Conference**

shatisinfo@lnec.pt ou <http://shatis11.lnec.pt>

about **registrations** or **technical exhibition**

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Contacts

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