



**5th International Conference on Structural  
Health Assessment of Timber Structures**

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Editors

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Universidade do Minho  
Faculdade de Engenharia



**SHATIS'19 - 5<sup>TH</sup> INTERNATIONAL  
CONFERENCE ON  
STRUCTURAL HEALTH ASSESSMENT  
OF TIMBER STRUCTURES**

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*SHATIS'19 – Structural Health Assessment of Timber Structures*



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PREFACE

Timber structures are an important part of the architectural and cultural heritage. In fact, any action concerning the conservation, repair, retrofitting and monitoring of the built heritage cannot avoid understanding how timber structures behave, from the material level to whole structures, including their joints, to assess their present condition and to promote different strategies for interventions. In this context, SHATIS International Conferences on Structural Health Assessment of Timber Structures aim to ensure that the past know-how is not lost, promoting the best practice and encouraging that new developments are brought to light.

SHATIS'19 is not different and aims to present an overview on the main steps involved on the Structural Assessment of Timber Structures, from the diagnosis and assessment to the retrofit of timber elements, joints and structures. Original contributions regarding experimental research and numerical analysis from the academic field, as well as from practice are collected and presented.

A special acknowledgement to the authors for their contributions and enrolment to the success of SHATIS'19, the fifth edition of this unique international meeting dedicate to the assessment of built heritage in timber.

One last word to acknowledge the support of all the sponsors and support institutions that made possible this SHATIS'19, in Guimarães, the cradle of Portugal.

Jorge M. Branco  
On behalf of the SHATIS'19 Organizing Committee  
September 2019



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