

CALL FOR PAPERS

SHATIS'17

4th INTERNATIONAL CONFERENCE ON

Structural Health Assessment of Timber Structures

20 – 22 September 2017
Istanbul, Turkey



Organized by



HKU FINE ARTS & ARCHITECTURE FACULTY



YILDIZ TECHNICAL UNIVERSITY

RESEARCH CENTRE FOR

PRESERVATION OF HISTORICAL HERITAGE

Hosted by



YILDIZ TECHNICAL UNIVERSITY

<http://shatis17.org>

INTRODUCTION

The SHATIS International Conference on Structural health assessment of timber structures is a meeting organized every two years by countries with a rich history in timber structures and an advanced industrial and academic background in the wood sector. After 3 successful conferences in Portugal, Italy and Poland the 4th edition, SHATIS'17 will take place in September 2017 in Istanbul, Turkey.

Istanbul that has been the capital city of different empires throughout history, has numerous architectural and cultural historical structures. While attending high level conference, participants will enjoy the history, charm and beauty of the city of eight thousand years. Istanbul built on two continents linking East and West is one of the most suitable places to discuss the past, present and future of timber structures and foster ideas on new developments and future researches.

Structural health assessment of timber structures focuses on traditional and contemporary timber structures bridging links between timber architecture and engineering, wood-based industries and the building sector in general. The theme of the conference covers a broad range of areas, including restoration and strengthening, seismic behavior and retrofitting, inspection and monitoring, non-destructive testing, experimental results and laboratory testing, analytical and numerical approaches, historical aspects and general methodology, innovative and traditional materials technology, case-studies, codes and guidelines.

SHATIS'17 will be organized jointly by the Hasan Kalyoncu University Faculty of Fine Arts and Architecture and Yildiz Technical University Research Center for Preservation of Historical Heritage. This biannually held conference provides an international and multi-disciplinary meeting for researchers, practitioners and manufacturers to present and discuss past, present and future of different types of timber structures.

IMPORTANT DATES

• Submission of Abstracts	Dec.09, 2016
• Preliminary Acceptance of abstracts	January 20, 2017
• Full paper submission	March 20, 2017
• Final Acceptance of Full papers	May 08, 2017
• Final Submission of Revised Papers & Copyright agreement	June 05, 2017
• Last Date for Early Registration	June 05, 2017
• Submission of Presentations	August 28, 2017
• Conference Presentations	Sept.20-22, 2017

CONFERENCE TOPICS

- A. Historic Timber Structures**
 - a. Archival Studies
 - b. Conservatory Doctrines, Principles, Guidelines & Codes
 - c. Timber Constructions on National or International Heritage List
 - d. Diagnosis of the Failures
 - e. Traditional Practices
- B. Architectural Conservation of Timber Constructions**
 - a. Typological, Constructional, Geometrical and Functional survey
 - b. ICT as support to the Preservation of Architectural Design
 - c. Modernization, Reuse of Timber Constructions
 - d. Design of Joints and Fasteners
 - e. Case Studies
- C. Structural Conservation of Timber Constructions**
 - a. Structural Behavior to Environmental Actions
 - b. Structural Modeling
 - c. Numerical Analysis
 - d. Seismic Performance
 - e. Structural Fire Engineering
 - f. Case Studies
- D. Evaluation- Experimental Methods and Tests**
 - a. Probabilistic, Analytical & Numerical Approaches
 - b. Non-Destructive Testing
 - c. Ageing of Wood Material
 - d. Monitoring Techniques and Procedures
 - e. Assessment of Connections Behavior
- E. Intervention, Restoration and Prevention techniques**
 - a. Remedial Measures for Deterioration
 - b. Preservation and Maintenance Methods
 - c. Repair, Strengthening and Restoration Methods
 - d. Compatibility of Construction Material/Contrasts
 - e. New Products and Techniques for Rehabilitation
 - f. Structural Compatibility
- F. Documentation, Education and Training**
 - a. Teaching and Dissemination
 - b. Documentation of Historic Timber Constructions
 - c. Formal & Informal Studies

EXHIBITION

Exhibition facilities for consultants, contractors, systems manufacturers related to the Conference are welcomed at the Conference venue to offer opportunity to illustrate their projects, processes, components, materials, hardware, software and literature. Please contact Conference website for details.

INVITED SPEAKERS

Leading experts in chosen topics will be invited to deliver keynote speeches.

PRESENTATIONS

The official language of the Conference is English. All papers should be written and presented in English. Simultaneous translation will be provided only into Turkish.

Both oral and poster presentations will take place. Proceedings will be available at the registration desk.

SUBMISSION

Papers should focus on the necessity, concept and criteria of the new design in heritage contexts, on the topics outlined above. The abstract not exceeding 300 words with no tables and figures should be structured in three main sections:

- Introduction
- Developments
- Remarks and Conclusion

The abstract should be clear, aiming at giving a general overview of the paper. Submissions will be peer reviewed by the Scientific Committee of the Conference.

REGISTRATION FEE

Conference fee for participants will include Proceedings and participation in all technical sessions, lunches, coffee breaks, reception and Conference gala dinner. For accompanying person, the fee will include participation in all technical sessions, lunches, coffee breaks, reception, and gala dinner. Following are the estimated registration fees.

	June 5, 2017	
	Until	After
ICOMOS Members	450 €	500 €
Participants	500 €	550 €
Accompanying	250 €	300 €
Students	200 €	250 €

For student registration participants must show their student identity card or any other relevant document at the registration.

INTERNATIONAL ADVISORY COMMITTEE

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VENUE

Yıldız Technical University Auditorium
 Yıldız Technical University Main Campus
 Beşiktaş 34349 Istanbul

INSTITUTIONAL SUPPORTERS

	Chamber of Architects of Istanbul, Turkey
	Chamber of Civil Engineers, Istanbul, Turkey
	ICOMOS-Turkey International Council on Monuments and Sites
	ICOMOS-ISCARSAH International Scientific Committee on Analysis and Restoration of Structures of Architectural Heritage
	ICOMOS-IWC International Wood Committee
	Structural Engineering World Congress