

# TIMBER STRUCTURES 2017



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## Location

Timber Structures 2017 will be held in the New Forest National Park, which borders the south coast of England and is home to the Wessex Institute. The New Forest is situated in central southern England, 100km from London. Spreading over nearly 400 square kilometres, this National Park is home to picturesque villages, unspoiled scenery, abundant wildlife and many attractions for visitors. The New Forest was established as a royal hunting ground by the Norman King William I, and 900 years later, the New Forest is still owned by the Crown. Local commoners have the right to graze their ponies, cattle and pigs on forest land where they wander freely. The Forest is

unarguably recognised as one of the most unique wilderness areas in Western Europe, where many landscapes have remained virtually unchanged for many centuries.

## Conference Venue

Situated at the heart of the New Forest National Park, the Balmer Lawn Hotel has uniquely designed and decorated rooms. This 4 star hotel has its own restaurant, 3 acres of grounds, squash courts, tennis court, pools, sauna, spa and fitness suite as well as direct access to the New Forest. Only a short walk from the shops, pubs and restaurants of Brockenhurst village and Brockenhurst train station, the hotel is easily accessible.



## 1<sup>st</sup> International Conference on Timber Structures and Engineering

**13 – 15 June 2017**  
**New Forest, UK**

### Organised by

Wessex Institute, UK  
Technical Centre of Wood Industry, Belgium

### Sponsored by

WIT Transactions on the Built Environment  
International Journal of Computational Methods  
and Experimental Measurements

[witconferences.com/timber2017](http://witconferences.com/timber2017)

**CALL FOR PAPERS**

## Submission Information

**Abstracts of no more than 300 words should be submitted as soon as possible.**

Abstracts should clearly state the purpose, results and conclusions of the work to be described in the final paper. Final acceptance will be based on the full-length paper, which if accepted for publication must be presented at the conference.

The language of the conference will be English.

### Online submission:

[www.witconferences.com/timber2017](http://www.witconferences.com/timber2017)

### Conference Secretariat

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For more information visit: [www.witconferences.com/timber2017](http://www.witconferences.com/timber2017)

**WIT**  
CONFERENCES





**The 1<sup>st</sup> International Conference on Timber Structures is being organised by the Wessex Institute in collaboration with the Technical Centre of Wood Industry in Belgium.**

Rapid advances have recently been made in the development and processing of innovative ecologically friendly wood products. A wide range of new structural shapes can now be fabricated and used to construct buildings and bridges which have minimal impact on the environment. Wood is particularly attractive since it is renewable and has no carbon footprint when it is harvested in a sustainable way. Timber structures are ecologically sound and comparatively low cost. The material lends itself to innovative design and new types

of composites offer reliable, robust and safe materials.

The Conference will explore the latest developments in wood products and their application as structural components with emphasis on new research and real applications. It is intended to provide a platform for the presentation and discussion between researchers and practitioners of new and innovative ideas in this important field.

## Conference Topics

The following list covers some of the topics to be presented at Timber Structures 2017. Papers on other subjects related to the objectives of the conference are also welcome.

**Wood products characterisation**

**Material properties of wood**

**Durability aspects, service life modelling**

**Fire safety of timber structures**

**Protection against decay**

**Non-destructive inspection and monitoring**

**Glued, laminated structures, Xlam and CLT**

**Timber joints and connections**

**Vernacular wood structures**

**Heritage timber structures**

**Timber housing and eco-architecture**

**Timber bridges**

**Large span timber roof structures**

**Shell structures in timber**

**Mixed, composite and hybrid structures**

**Computational analysis and experimental methods**

**Structural engineering and design**

**Seismic behaviour of timber structures**

**Protection of timber**

**Case studies**

**Repaired timber structures**

**Rapidly assembled and transferable timber structures**

**Guidelines, codes and regulations**

**Structure failures**

**Art and craftsmanship**

## Benefits of Attending

**Publication of papers:** Papers presented at Timber Structures 2017 are to be published by WIT press in a Volume of WIT Transactions. Selected papers will appear in a special Issue of the International Journal of Computational Methods and Experimental Measurements (ISSN: 2046-0546; Digital ISSN: 2046-0554). Abstracts and papers will be reviewed by members of the International Scientific Advisory Committee and other experts.

**Open Access:** WIT Press is an advocate of Open Access which offers maximum dissemination of your work. WIT Transactions and Journal papers can be downloaded for free ([www.witpress.com/elibrary](http://www.witpress.com/elibrary)).

**Indexing and Archiving:** Papers presented at Wessex Institute conferences are referenced by CrossRef and have appeared in notable reviews and databases. Papers are submitted to various indexing services such as Thomson Reuters Web of Science, Google Scholar, Scopus and ProQuest. All conference books are listed in the British Library and American Library of Congress.

**Conference Proceedings:** Delegates will receive a copy of the papers presented at the Conference on a USB Flash drive. The USB will, in addition, contain papers from previous conferences in this series. Following the Conference, authors will receive an electronic copy of the publication in which their paper has been published.

**Digital Archive:** All conference papers are archived online in the WIT eLibrary ([www.witpress.com/elibrary](http://www.witpress.com/elibrary)) where they are easily and permanently available to the international community.

**Networking:** Participants can present their research and interact with experts from around the world, becoming part of a unique community.

**Reduced Fee for PhD Students:** The Wessex Institute believes in the importance of encouraging PhD students to present and publish innovative research at their conferences. As a result, the Institute offers PhD students a much reduced conference fee.

## Conference Chairmen

**K De Proft**

Technical Centre of Wood Industry, Belgium

**C A Brebbia**

Wessex Institute, UK

**J Connor**

MIT, USA

## International Scientific Advisory Committee

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