

Learn with TRADA

LIVE



The leading authority on wood

Structural timber engineering

Learn with TRADA Live is TRADA's online learning programme dedicated to exploring critical industry issues as well as specialist timber topics. To facilitate the learning journey for both regular and occasional attendees, related webinar sessions are further grouped into series.

The *Structural timber engineering* series (May – June 2021) includes five sessions and delves into topics including: structural timber products, designing for durability, timber connections, and hybrid construction. It will be of particular interest to lecturers and practising engineers.

The series follows a more intensive schedule, with a new session delivered weekly at 12:00–13:30 BST on Tuesday or Wednesday. Since it is best experienced as a whole, attendees can only register for the series as a bundle.

TRADA members:	Free
Non-members:	£150 +VAT for the 5-session bundle
Students at member universities:	Free
Students at non-member universities:	£50 +VAT for the 5-session bundle

All attendees will receive a certificate upon attendance to all five sessions.

Not sure if you're a member? Call our membership team on 01494 569603 or email membership@trada.co.uk.

You might prefer to take out TRADA membership and gain access to all TRADA benefits, which includes free attendance to all Learn with TRADA Live sessions. Visit [TRADA.co.uk](https://trada.co.uk) > [Membership](#) for more information.

Structural timber engineering training programme

DATE	SESSION
Tuesday 18 May 2021 12:00–13:30	<p>Understanding structural timber products, how they are made and for what purposes they are used with Hugh Mansfield-Williams, Technical Manager, BM TRADA, and Andrew King, Director, Constructional Timber.</p> <p>Hugh and Andrew will look at the various manufacturing techniques employed to make structural timber products; the effect that these have on the structural performance; how products are tested, assessed and classified; and the manner in which Eurocode 5 refers to or uses the products' classifications.</p>
Tuesday 25 May 2021 12:00–13:30	<p>Key differences in approach between structural timber and structural steel with Toby Maclean, Director, Allt Environmental, and Ishan Abeysekera, Senior Engineer, Arup.</p> <p>Toby and Ishan will use their knowledge and understanding of structural steel to explain how to design in timber. Each key attribute which is handled differently, e.g., vibration, will be looked at to compare and contrast the difference between steel and timber. They will show where to find the calculation methods in more detail in tables and sections of Eurocode 5 and elsewhere.</p>

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DATE	SESSION
Tuesday 8 June 2021 12:00–13:30	<p>Designing with moisture in mind in new and old timber buildings with Andrew Lawrence, Associate Director, Arup, and Kim Collins, Senior Structural Engineer, Historic England.</p> <p>Andrew and Kim will explore: the principles of moisture in wood and how they affect structural and durability performance; how to work with moisture in wood and not against it; and design issues affecting external structural components. In addition, Kim will take a look at how we can control the conditions inside old buildings to best use and preserve existing structural timber members.</p>
Wednesday 16 June 2021 12:00–13:30	<p>How timber components are connected with Keerthi Ranasinghe, Senior Lecturer, University of Wales Trinity Saint David, and Andrew Thomson, Designer / Maker, TRUNK Timberwork.</p> <p>Connections are absolutely critical to timber engineering. Having discussed the material and its major differences with steel, Keerthi and Andrew take a look at the key connection types available; how to undertake calculations; the major practicalities to consider; and conclude by commenting on which types are best in common situations.</p>
Tuesday 22 June 2021 12:00–13:30	<p>Hybrid timber and steel construction with Alan Dowdall, Director, Ramboll, and Kelly Harrison, Associate Director, Whitby Wood.</p> <p>Timber is often used in conjunction with other structural materials. Alan and Kelly take a look at some of the opportunities that arise when combining timber with other structural materials; how to solve some of the more common problems; and summarise by looking at situations where a hybrid approach works best, drawing on each other's positive attributes.</p>

How to book

Visit [TRADA.co.uk](https://trada.co.uk) > [Training & Events](#) > [Learn with TRADA Live: Structural timber engineering](#) to book.

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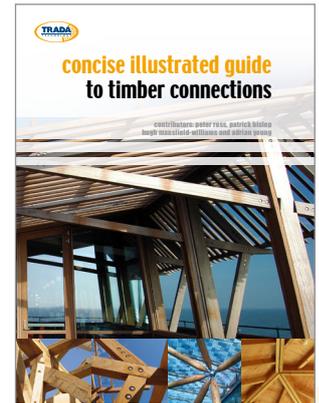
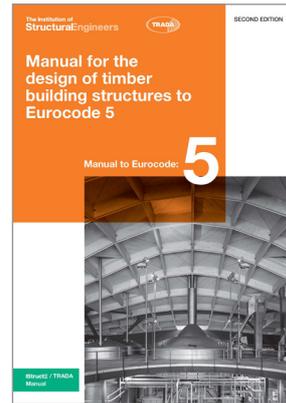
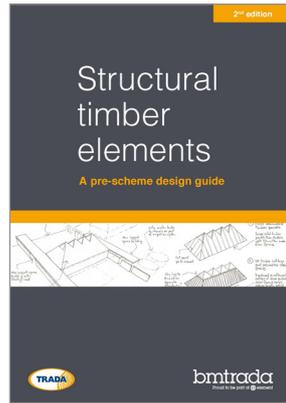
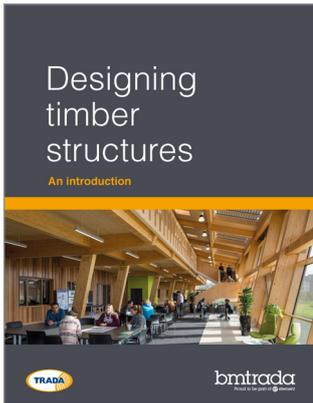


In the TRADA Bookshop

This bundle features the following paperback publications with a 10% saving on their combined price:

- *Designing timber structures: An introduction*
- *Structural timber elements: A pre-scheme design guide*
- *Manual for the design of timber building structures to Eurocode 5 2nd edition*
- *Concise illustrated guide to timber connections.*

This bundle is perfect for structural engineering students, more experienced graduates new to designing with timber, and those looking for an at-a-glance reference guide to structural timber options.



University Engagement Programme

Tabitha Binding steers TRADA's University Engagement Programme, which proactively seeks to encourage lecturers of architecture, engineering and other building-related courses to teach timber as an equal to other materials.

To facilitate this, TRADA has developed a range of free teaching materials, runs high-profile design competitions for students, and creates opportunities to collaborate, uniting universities with members of the timber industry.

If you would like to contact Tabitha Binding about learning opportunities for students, please email tbinding@trada.co.uk.

