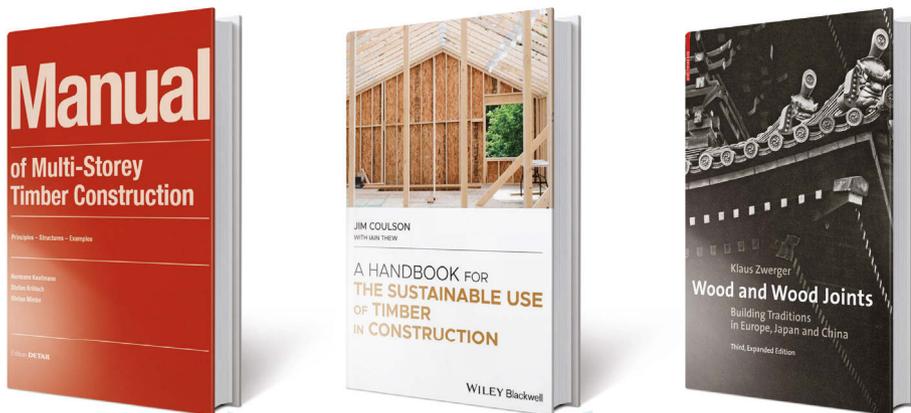


Curated by qualified librarians, the IStructE collection of structural engineering literature spans more than 250 years, making it one of the UK's most comprehensive specialist engineering resources. Both print and electronic titles are available (print titles can be requested via postal loan).
www.istructe.org/library

Library update: Timber engineering resources

Members are reminded that the Library service is available to them – our experienced librarians can assist with literature-based enquiries and items can be borrowed either in person or by post.



The Library has a wide selection of books on various aspects of timber engineering – from designing to Eurocode 5, tall buildings, fire aspects, sustainability, CLT and engineered wood to conservation, repair and preservation.

On general design, titles include:

- *Designing timber buildings* (Sanna, 2022)
- *Designing timber structures: an introduction* (TRADA, 2020)
- *Building in timber: room modules** (Huss, 2019)
- *Structural timber elements: a pre-scheme design guide* (2nd ed.) (TRADA, 2018)
- *Structural wood design – ASD/LRFD* (2nd ed.) (Aghayere, 2017)
- *Goss's roofing ready reckoner: from timberwork to tiles* (5th ed.)* (Mindham, 2016) – including metric cutting and sizing tables for timber roof members
- *Designers' guide to Eurocode 5: design of timber buildings EN 1995-1-1* (Porteous, 2013)
- *Structural timber design to Eurocode 5* (2nd ed.)* (Porteous, 2013)
- *Timber construction manual* (6th ed.) (AISC, 2012)
- *Timber frame construction: designing for high performance* (5th ed.) (TRADA, 2011).

If tall buildings and fire are topics of particular interest, the Library has:

- *Technical guide for the design and*

construction of tall wood buildings in Canada (2nd ed.) (FPInnovations, 2022)

- *Manual of multi-storey timber construction: principles – Construction – Examples* (2nd ed.)* (Kaufmann, 2022)
- *Tall wood buildings: design, construction and performance* (2nd ed.)* (Green, 2020)
- *Fire safe use of wood in buildings: global design guide* (Buchanan, 2022).

Sustainability titles include:

- *A handbook for the sustainable use of timber in construction** (Coulson, 2021)
- *Sustainable timber design* (Dickson, 2015).

On CLT and engineered wood, the Library has:

- *Cross laminated timber: a design primer** (Crawley, 2021)
- *Cross-laminated timber design: structural properties, standards, and safety* (Mahamid, 2020)
- *Cross-laminated timber: design and performance* (TRADA, 2019)
- *Wood composites* (Ansell, 2015).

On conservation, repair and preservation aspects, there is:

- *Appraisal and repair of timber structures* (2nd ed.) (Lawrence, 2020)
- *Repair of historic timber structures* (2nd ed.) (Yeomans, 2020)
- *Timber decay in buildings and its*

treatment (Ridout, 2019)

- *Practical building conservation: timber* (English Heritage, 2012).

The breadth of coverage is shown by titles such as:

- *Wood and wood joints: building traditions of Europe, Japan and China* (4th ed.)* (Zwenger, 2023)
- *The analysis of irregular shaped structures: wood diaphragms and shear walls* (2nd ed.) (Malone, 2022)
- *Reinforcement of timber elements in existing structures: state-of-the-art report of the RILEM TC 245-RTE** (Branco, 2021)
- *Off-site and industrialised timber construction. Delivering quality and efficiency* (2nd ed.) (BM TRADA (2019)
- *Wooden domes: history and modern times** (Misztal, 2018)
- *Advancing wood architecture: a computational approach* (Menges, 2017)
- *Timber gridshells: architecture, structure and craft* (Chilton, 2017)
- *Timber bridges* (TRADA, 2011).

Titles marked with an asterisk (*) are available in the E-library.

The Library continues to add material and welcomes suggestions from members, with the entire collection searchable via the Library catalogue at www.istructe.org/resources/library-services, from where members can also access the E-library or send a question to the librarians.

Contact

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Email: library@istructe.org

Web: www.istructe.org/resources/library-services

IStructE bookshop

While visiting the Library, why not update yourself on the latest Institution publications, which include the *Manual for the design of timber building structures to Eurocode 5* (2nd ed.) (2020).