

### **An improved design models for fire ex-posed CLT floor elements**

Schmid, Joachim; Klippel, Michael; Frangi, Andrea; **Just, Alar**; **Tiso, Mattia**; Werther, Norman Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 72-73 : ill [https://www.ester.ee/record=b5197207\\*est](https://www.ester.ee/record=b5197207*est)

### **A case study on construction of CLT building without preliminary roof**

**Liisma, Eneli**; **Kalamees, Targo**; Kuus, Babette Liseth; **Kukk, Villu** Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 44-45 : ill [https://www.ester.ee/record=b5197207\\*est](https://www.ester.ee/record=b5197207*est) <https://www.digar.ee/viewer/et/nlib-digar:409888/350001/page/45>

### **A case study on the construction of a CLT building without a preliminary roof**

**Liisma, Eneli**; Kuus, Babette Liseth; **Kukk, Villu**; **Kalamees, Targo** Journal of sustainable architecture and civil engineering 2019 / p. 53-62 : ill <https://doi.org/10.5755/j01.sace.25.2.22263>

### **CLT compartment fire test**

**Just, Alar**; Brandon, Daniel; **Mäger, Katrin Nele**; Pukk, Rait WCTE 2018 - World Conference on Timber Engineering 2018 [CLT...](#)

### **Cross-laminated timber : Standard fire design model : expert meeting [Online resource]**

2017 <https://ethz.ch/content/dam/ethz/special-interest/baug/ibk/costfp1404-dam/documents/2018/N234-02-ProceedingsExpertMeetingKoeschingWG2TG1.pdf>

### **Design model for the load-bearing capacity : effective cross-section method**

Klippel, Michael; **Just, Alar** Guidance on Fire design of CLT including best practise, COST Action FP1404 : version 2018 2018 / p. 36- 60 : ill [Guidance on Fire design of CLT including best practise](#)

### **Early experimental investigations on slotted-in steel plate connections with self-perforating dowels in CLT**

**Tuhkanen, Eero**; **Ojamaa, Martin** Wood material science and engineering Wood material science & engineering 2021 / p. 102-109 : ill <https://doi.org/10.1080/17480272.2019.1626482> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Experimental analysis of cross-laminated timber rib panels at normal temperature and in fire**

Kleinhenz, Miriam; **Just, Alar**; Frangi, Andrea Engineering structures 2021 / art. 113091, 14 p. : ill <https://doi.org/10.1016/j.engstruct.2021.113091> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Exploring the performance of CLT external walls enhanced with wood-fibre-based ETICS: preliminary field measurement insights**

**Kukk, Villu**; **Kalamees, Targo** Multiphysics and Multiscale Building Physics: Proceedings of the 9th International Building Physics Conference (IBPC 2024) ; Volume 3: Building Systems and HVAC Technologies 2025 / p. 392-397 [https://doi.org/10.1007/978-981-97-8313-7\\_54](https://doi.org/10.1007/978-981-97-8313-7_54)

### **Field measurements of a MHM envelope with ETICS**

**Kukk, Villu**; **Kalamees, Targo**; **Kers, Jaan** Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 48-49 : ill [https://www.ester.ee/record=b5197207\\*est](https://www.ester.ee/record=b5197207*est)

### **Fire design of initially protected CLT**

**Mäger, Katrin Nele**; **Kraudok, Kairit**; **Liblik, Johanna**; **Just, Alar** Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 76-77 : ill [https://www.ester.ee/record=b5197207\\*est](https://www.ester.ee/record=b5197207*est)

### **Fire performance of CLT – a task group report of COST Action FP1404**

Klippel, Michael; Schmid, Joachim; Werther, Norman; **Just, Alar** Fire performance of CLT – A Task Group Report of COST Action FP1404 2018 / p. 65-71 [Fire Safe Use of Bio-Based Building Product](#)

### **Guidance on Fire design of CLT including best practise, COST Action FP1404 : version 2018 [Online resource]**

2018 [Guidance on Fire design of CLT including best practise](#)

### **Influence of interior layer properties to moisture dry-out of CLT walls**

**Kukk, Villu**; **Külaots, Annegrete**; **Kers, Jaan**; **Kalamees, Targo** Canadian journal of civil engineering 2019 / p. 1001–1009 <https://doi.org/10.1139/cjce-2018-0591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Influence of number of layers on embedment strength of dowel-type connections for glulam and cross-laminated timber**

**Tuhkanen, Eero**; Mölder, Joosep; Schickhofer, Gerhard Engineering structures 2018 / p. 361-368 : ill <https://doi.org/10.1016/j.engstruct.2018.09.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mäger, K. N.**

**Mäger, Katrin Nele** Cross-laminated timber : Standard fire design model : expert meeting 2017 / p. 109-120 : ill <https://ethz.ch/content/dam/ethz/special-interest/baug/ibk/costfp1404-dam/documents/2018/N234-02-ProceedingsExpertMeetingKoeschingWG2TG1.pdf>

### **Natural fire tests on compartments with CLT**

Brandon, Daniel; **Just, Alar** CLT - The way to standardization – definition of gaps : expert meeting 2017 / p. 161-177 [CLT - The way to...](#)

### **Niiskusturvalisus on tähtis: millega tuleks arvestada CLT-paneelidest maju ehitades? [Võrguväljaanne]**

digi.geenius.ee 2022 [on tähtis: millega tuleks arvestada CLT-paneelidest maju ehitades?](#) <https://digikogu.taltech.ee/et/Item/aedf3ed3-26d7-49be-b386-20cd705ac4b7>

### **Popularization of timber structures in Estonia**

**Tuhkanen, Eero** Proceedings of the 1st Eastern Europe Conference on Timber Constructions : (EECTC-2018), O.M. Beketov National University of Urban Economy in Kharkiv, Ukraine 7-8 June 2018 2018 / p. 78-84 : ill <https://eectc.pro/images/Proceedings%20of%20EECTC-2018.pdf>

### **Simulation of the fire resistance of cross-laminated timber (CLT)**

Schmid, Joachim; Klippel, Michael; **Just, Alar**; Frangi, Andrea; Tiso, Mattia Fire technology 2018 / p. 1113–1148 : ill <https://doi.org/10.1007/s10694-018-0728-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Slotted-in steel plate connections with self-perforating dowels in CLT**

**Tuhkanen, Eero** Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 100-101 : ill [https://www.ester.ee/record=b5197207\\*est](https://www.ester.ee/record=b5197207*est)

### **Small-scale test method for the fire behaviour of wood adhesive bonds in CLT**

Sterley, Magdalena; Noren, Joakim; Liblik, Johanna; Brandon, Daniel; **Just, Alar** Book of abstracts of the final conference COST FP 1404 "Fire Safe Use of Bio-Based Building Products", Zürich, 1st and 2nd October 2018 2018 / p. 91-97 : ill [Fire Safe Use of Bio-Based Building Product](#)

### **TalTechi teadlaste abiga arendatakse Ukrainas uudseid liitetüüpe, mis kiirendavad ehitamist**

ari.geenius.ee 2024 [TalTechi teadlaste abiga arendatakse Ukrainas uudseid liitetüüpe, mis kiirendavad ehitamist](#)

### **Teadustöö uurib riskihtiimpuidu kasutusvõimalusi**

**Kaasik, Morten** EhitusEST 2017 / lk. 30-31 : ill [http://www.ester.ee/record=b4442657\\*est](http://www.ester.ee/record=b4442657*est) [https://artiklid.elnet.ee/record=b2829609\\*est](https://artiklid.elnet.ee/record=b2829609*est)

### **The effects of production technologies on the air permeability and crack development of cross-laminated timber**

**Kukk, Villu; Kalamees, Targo; Kers, Jaan** Journal of building physics 2019 / p. 171-186 : ill <https://doi.org/10.1177/1744259119866869> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The effects of production technologies on the air permeability properties of cross laminated timber**

**Kukk, Villu; Kers, Jaan; Kalamees, Targo** 7th International Building Physics Conference IBPC2018: Healthy, Intelligent and Resilient Buildings and Urban Environments: proceedings : Syracuse, NY, USA, September 23-26, 2018 2018 / p. 349–354 : ill <http://ibpc2018.org/wp-content/uploads/2018/11/FINAL-IBPC2108-Proceedings.pdf>

### **The structural behaviour of cross-Laminated Timber Rib Panels in Fire**

Kleinhenz, Miriam; **Just, Alar**; Frangi, Andrea Fire technology 2024 / p. 2651-2673 : ill <https://doi.org/10.1007/s10694-024-01552-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Tulekahjukatse julgustab CLT-lahendusi**

**Just, Alar** EhitusEST 2018 / lk. 24-26 : ill [http://www.ester.ee/record=b4442657\\*est](http://www.ester.ee/record=b4442657*est) [https://artiklid.elnet.ee/record=b2866689\\*est](https://artiklid.elnet.ee/record=b2866689*est)

### **Weather exposed CLT construction – observations and improvement concept**

**Kalbe, Kristo; Kukk, Villu; Kalamees, Targo** Forum Wood Building Baltic : proceedings of the II Forum Wood Building Baltic, Riga Technical University Digital Conference, 14-16 April 2021 2021 / p. 84-85 : ill <https://issuu.com/matijsbabris/docs/fwbb2021>

### **Wetting circumstances, expected moisture content, and drying performance of CLT end-grain edges based on field measurements and laboratory analysis**

**Kalbe, Kristo; Kalamees, Targo; Kukk, Villu; Ruus, Aime; Annuk, Alvar** Building and environment 2022 / art. 109245 <https://doi.org/10.1016/j.buildenv.2022.109245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)