



Agricultural Buildings With Timber Structure - Preventative Chemical Wood Preservation Inevitably Required?

<https://research.thinkwood.com/en/permalink/catalogue1914>

Author: Yuan Jiang
 Philipp Dietsch
 Stefan Winter

Publisher: Intergrated Digital Conference (INDICO)

Year of Publication: 2018

Country of Publication: Korea

Format: Conference Paper

Material: Timber (unspecified)

Application: Wood Building Systems
 General Application

Topic: Moisture

Keywords: Moisture Content
 Spruce
 Agriculture

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 20-23,2018. Seoul, Republic of Korea

Online Access: Free

Resource Link

<https://indico.conference4me.psnk.pl/event/171/session/343/contribution/116/material/paper/1.pdf>



Assessing the Integrity of Glued-Laminated Timber Elements

<https://research.thinkwood.com/en/permalink/catalogue239>

Author: Philipp Dietsch
Thomas Tannert

Publisher: ScienceDirect

Year of Publication: 2015

Country of Publication: Netherlands

Format: Journal Article

Material: Glulam (Glue-Laminated Timber)

Application: General Application

Topic: Serviceability

Keywords: Cracks
Damage
Moisture
Structural analysis

Language: English

Research Status: Complete

Series: Construction and Building Materials

Online Access: Free

Resource Link

<https://mediatum.ub.tum.de/doc/1355295/1355295.pdf>



Building Climate – Long-Term Measurements to Determine the Effect on the Moisture Gradient in Timber Structures

<https://research.thinkwood.com/en/permalink/catalogue266>

Author: Andreas Gamper
Philipp Dietsch
Michael Merk

Organization: Technical University of Munich

Year of Publication: 2014

Country of Publication: Germany

Format: Report

Material: Glulam (Glue-Laminated Timber)

Application: Wood Building Systems

Topic: Serviceability
Moisture

Keywords: Moisture Gradients
Climate
Load Carrying

Language: English

Research Status: Complete

Online Access: Free

Resource Link

https://www.irbnet.de/daten/kbf/kbf_e_F_2962.pdf



Cross Laminated Timber (CLT) Diaphragms under Shear: Test Configuration, Properties and Design

<https://research.thinkwood.com/en/permalink/catalogue1332>

Author: Reinhard Brandner
Philipp Dietsch
Julia Dröscher
Michael Schulte-Wrede
Heinrich Kreuzinger
Mike Sieder

Publisher: ScienceDirect

Year of Publication: 2017

Country of Publication: Netherlands

Format: Journal Article

Material: CLT (Cross-Laminated Timber)

Application: General Application

Topic: Design and Systems
Mechanical Properties

Keywords: Failure Mechanisms
Gross-Shear
Net-Shear
In-Plane

Language: English

Research Status: Complete

Series: Construction and Building Materials

Online Access: Payment Required

Resource Link

<https://doi.org/10.1016/j.conbuildmat.2017.04.153>



Design Concept for CLT - Reinforced with Self-Tapping Screws

<https://research.thinkwood.com/en/permalink/catalogue1486>

Author: Peter Mestek
Philipp Dietsch

Organization: Technical University of Munich

Year of Publication: 2014

Country of Publication: Germany

Format: Report

Material: CLT (Cross-Laminated Timber)

Application: General Application

Topic: Mechanical Properties
Design and Systems

Keywords: Self-Tapping Screws
Shear Stress
Rolling Shear Stress

Language: English

Research Status: Complete

Online Access: Free

Resource Link

https://www.hb.bgu.tum.de/fileadmin/w00bpc/www/02_Team/Dietsch/Mestek__P.__Dietsch__P.__Design_concept_for_CLT_-_reinforced_with_self-tapping_screws.pdf



Design of Connections in Timber Structures

<https://research.thinkwood.com/en/permalink/catalogue1937>

Author: Thomas Bader
Hans Joachim Blaß
Jean-François Bocquet
Jorge Branco
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José Manuel Cabrero
Kurt de Proft
Thierry Descamps
Philipp Dietsch
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Rainer Görlacher
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André Jorissen
Marion Kleiber
Romain Lemaître
Jørgen Munch-Andersen
Tomaž Pazlar
Keerthi Ranasinghe
Andreas Ringhofer
Carmen Sandhaas
Michael Schweigler
Mislav Stepinac
Eero Tuhkanen
Maxime Verbist
Miguel Yurrita

Editor: Carmen Sandhaas
Jørgen Munch-Andersen
Philipp Dietsch

Publisher: COST (European Cooperation in Science and Technology)

Year of Publication: 2018

Country of Publication: Germany

Format: Book

Material: Timber (unspecified)
CLT (Cross-Laminated Timber)

Application: General Application

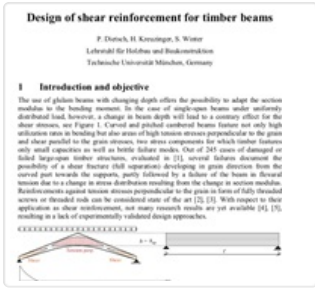
Topic: Connections
Design and Systems

Keywords: Eurocode 5
Fasteners
Screws
Dowel Type Fastener
Glued-In Rods
Numerical Modeling
Europe
Load Distribution

Language: English
Research Status: Complete
ISBN: 978-3-8440-6144-4
ISSN: 0945-067X
Online Access: Free

Resource Link

<https://www.cost.eu/wp-content/uploads/2018/11/Design-of-Connections-in-Timber-Structures.pdf> ↗



Design of Shear Reinforcement for Timber Beams

<https://research.thinkwood.com/en/permalink/catalogue1109>

Author: Philipp Dietsch
Heinrich Kreuzinger
Stefan Winter

Year of Publication: 2013

Country of Publication: Germany

Format: Conference Paper

Material: Glulam (Glue-Laminated Timber)

Application: Beams

Topic: Connections
Design and Systems

Keywords: Shear
Reinforcement
Fractured
Unfractured

Language: English

Conference: CIB-W18 Meeting

Research Status: Complete

Notes: August 26-29, 2013, Vancouver, Canada p.193-209

Online Access: Free

Resource Link

http://cib-w18.com/sites/default/files/proceedings/no_46_vancouver_canada_august_2013.pdf



Effects of Changes in Moisture Content in Reinforced Glulam Beams

<https://research.thinkwood.com/en/permalink/catalogue1173>

Author: Philipp Dietsch
Heinrich Kreuzinger
Stefan Winter

Year of Publication: 2014

Country of Publication: Canada

Format: Conference Paper

Material: Glulam (Glue-Laminated Timber)

Application: General Application

Topic: Moisture
Mechanical Properties

Keywords: Reinforcement
Threaded Rods
Moisture Induced Stresses
Finite Element Method
Moisture Content

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 10-14, 2014, Quebec City, Canada

Online Access: Free

Resource Link

<https://mediatum.ub.tum.de/doc/1198443/1198443.pdf> [↗](#)



Monitoring Building Climate and Timber Moisture Gradient in Large-Span Timber Structures

<https://research.thinkwood.com/en/permalink/catalogue108>

Author: Andreas Gamper
Philip Dietsch
Stefan Winter

Editor: Bettina Franke
Steffen Franke

Year of Publication: 2014

Country of Publication: Switzerland

Format: Conference Paper

Material: Glulam (Glue-Laminated Timber)

Application: Wood Building Systems

Topic: Serviceability
Moisture

Keywords: Cracks
Damage
Equilibrium Moisture Content
Internal Climate
Lamellas
Large Span
Long-term
Relative Humidity
Shrinkage
Swelling
Temperature

Language: English

Conference: COST Workshop – Highly Performing Timber Structures: Reliability, Assessment, Monitoring and Strengthening

Research Status: Complete

ISSN: 2190-5479

Online Access: Free

Resource Link

https://www.researchgate.net/profile/Steffen_Franke2/publication/312198355_COST_Workshop_-_Highly_Performing_Timber_Structures_Reliability_Assessment_Monitoring_and_Strengthening/links/58760dea08ae6eb871cf3034/COST-Workshop-Highly-Performing-Timber-Structures-Reliability-Assessment-Monitoring-and-Strengthening.pdf#page=75



Reinforcement of Round Holes in Glulam Beams Arranged Eccentrically or in Groups

<https://research.thinkwood.com/en/permalink/catalogue1627>

Author: Martin Danzer
Philipp Dietsch
Stefan Winter

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: Glulam (Glue-Laminated Timber)

Application: Beams

Topic: Mechanical Properties

Keywords: Holes
Self-Tapping Screws
Load Bearing Capacity

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria
p. 2804-2812

Abstract:

Experimental and numerical investigations on round holes in glulam beams are presented. These were conducted in order to extend the field of practical application, to study the structural behaviour of holes arranged eccentrically or in groups and to generate basic results for deriving a design format. Within these investigations the...

Online Access: Free

Resource Link

<http://repositum.tuwien.ac.at/obvutwoa/content/pageview/1648952> ↗