



Delamination Detection in a 90-Year-Old Glulam Block with Scanning Dry Point-Contact Ultrasound

<https://research.thinkwood.com/en/permalink/catalogue114>

Author: Neuenschwander, Jürg
Sanabria, Sergio
Schuetz, Philipp
Widmann, Robert
Vogel, Mareike

Publisher: De Gruyter

Year of Publication: 2013

Country of Publication: Germany

Format: Journal Article

Material: Glulam (Glue-Laminated Timber)

Application: General Application

Topic: Connections

Keywords: Bonding
Delamination
Inspection
Non-Destructive Evaluation

Language: English

Research Status: Complete

Series: Holzforschung

ISSN: 1437-434X

Online Access: Free

Resource Link

<http://doc.rero.ch/record/295320/files/hf-2012-0202.pdf> [↗](#)



Effectiveness of Several NDE Technologies in Detecting Moisture Pockets and: Artificial Defects in Sawn Timber and Glulam

<https://research.thinkwood.com/en/permalink/catalogue778>

Author: Wacker, James
 Senalik, Christopher
 Wang, Xping
 Jalinoos, Frank

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: Glulam (Glue-Laminated Timber)
 Solid-sawn Heavy Timber

Application: Bridges and Spans

Topic: Serviceability

Keywords: Decay
 Douglas-Fir
 Moisture Pockets
 Non-Destructive Evaluation
 Scanning

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria

Summary:
 Several nondestructive evaluation (NDE) technologies were studied to determine their efficacy as scanning devices to detect internal moisture and artificial decay pockets. Large bridge-sized test specimens, including sawn timber and glued-laminated timber...
 Online Access: Free

Resource Link

https://www.fpl.fs.fed.us/documnts/pdf2016/fpl_2016_wacker001.pdf



Field Performance of Timber Bridges: A National Study

<https://research.thinkwood.com/en/permalink/catalogue2127>

Author: Brashaw, Brian
Wacker, James
Jalinoos, Frank

Year of Publication: 2013

Country of Publication: United States

Format: Conference Paper

Material: Timber (unspecified)

Application: Bridges and Spans

Topic: Design and Systems
Serviceability

Keywords: Timber Construction
Inspection
Non-Destructive Evaluation
Service Life

Language: English

Conference: International Conference on Timber Bridges

Research Status: Complete

Online Access: Free

Resource Link

https://intrans.iastate.edu/app/uploads/sites/12/2019/03/ID_132_BRASHAW.pdf



Nondestructive Evaluation of a 75-Year Old Glulam Arch

<https://research.thinkwood.com/en/permalink/catalogue246>

Author:	Teder, Marko Wang, Xiping
Year of Publication:	2013
Country of Publication:	United States
Format:	Conference Paper
Material:	Glulam (Glue-Laminated Timber)
Application:	General Application
Topic:	Serviceability
Keywords:	Decay Delamination Modulus of Elasticity Non-Destructive Evaluation Stress Wave Timing Wave Propagation Strength Resistance Micro-Drilling
Language:	English
Conference:	International Nondestructive Testing and Evaluation of Wood Symposium
Research Status:	Complete
Notes:	September 24-27, 2013, Madison, Wisconsin, USA
Online Access:	Free

Resource Link

http://www.fpl.fs.fed.us/documnts/pdf2013/fpl_2013_teder001.pdf