

Prof. Dr. Ir. André Jorissen (**the Netherlands**)

SHR

Wageningen The Netherlands

a.j.m.jorissen@tue.nl

COST FP1402, MC Member, WG3 Member



Personal

Years of experience in relevant field: 30
Expertise: timber connections - composite structures - structural design
Degree: PhD (21.12.1998)

Organisation

SHR, Built Environment (www.shr.nl)
Focus: practical research/innovation, design of structures, education/training and durability aspects-performance of existing(historical) structures
Facilities: TU/e: structural design testing equipment + timber related testing equipment like moisture measurement - timber grader. SHR: small structural design testing equipment + durability, etc.

No. of staff	PhD students	MSc/year
20	2	10

Research projects

- (1) connections related
- roof to casco (general and related to earthquake design)
 - timber floor to masonry walls (earthquake related)
 - compression perpendicular (deciduous wood species)
 - pile foundation to structure
 - finger joints in portal frames
 - capentry connections
 - tube connections (in LVL and related to earthquake design)
 - traditional portal frame analyses (brace to column and beam connections)
- (2) composite structures related
- "multi deck / box" element properties
 - sandwich elements (pure sandwich with hole + creep; elements with reinforcements + creep)
 - timber concrete (ordinary concrete - light weight concrete)
- (3) other topics
- timber floor (vibration) design

Publications

- 1.Leijten A.J.M, Leijer, B. & Jorissen, A.J.M. (2012). The perpendicular to grain compressive behaviour of timber beams. In Hugh Morris & Pierre Quenneville (Ed.), Oral : Oral : Paper presented at the World Conference on Timber Engineering (WCTE 2012), 16-19 July 2012, Auckland, New Zealand, (pp. 356-361). www.WCTE2012.com.
- 2.Daniela Wrzesniak, Massimo Fragiaco, André Jorissen. (2013). Alternative approach to avoid brittle failure in dowelled connections. In: proceedings of the RILEM International Symposium on Materials and Joints in Timber Structures – Recent advancement of technology – From 08 October 2013 to 10 October 2013 in Stuttgart, Germany
- 3.André Jorissen, Jaco den Hamer, Ad Leijten. 2014. Traditional timber frames. In Alexander Salenikovich (Ed.), Paper presented at the World Conference on Timber Engineering (WCTE 2014), August 10-14, 2014, Québec City, Canada, (paper 055). www.WCTE2014.ca.
- 4.André Jorissen, Luc Castelijns, Johnny van Rie and Herm Hofmeyer. 2014. Sandwich panels with holes. In Alexander Salenikovich (Ed.), Paper presented at the World Conference on Timber Engineering (WCTE 2014), August 10-14, 2014, Québec City, Canada, (paper 056). www.WCTE2014.ca.



