

Dr. Jorge Branco (Portugal)

University of Minho
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COST FP1402, MC Substitute, WG3 Member

*Personal*

Years of experience in relevant field: 15
Expertise: Carpentry joints; Reinforcement,
Cyclic behavior of joints
Degree: PhD. (28.07.2008)

Organisation

Civil Engineering
(<http://www.hms.civil.uminho.pt/>)
Focus: theoretical and practical research / innovation,
design of structures and education / training
Facilities: Testing labs, NDTs equipment

No. of staff	PhD students	MSc/year
3	3	6

Research projects

(2007-2010): Safety evaluation of timber structures through nondestructive methods and stochastic analysis. PTDC/ECM/66527/2006 da Fundação para a Ciência e a Tecnologia. (Paulo Lourenço, Saporiti Machado, Jorge Branco).

(2012-2013): Seismic performance of multi-storey timber buildings. Seismic Engineering Research Infrastructures for European Synergies SERIES. EU Framework Program 7 (Jorge Branco, Paulo Lourenço, Maurizio Piazza, Roberto Tomasi, Gerhard Schickhofer, Georg Flatscher).

(2012-2015): WoodenQuark – Wooden Houses. Contract n.º 2011/21635 do Quadro de Referência Estratégico Nacional. (Jorge Branco). <http://www.woodenquark.com/>

(2014-) SISMO – Seismic design of multi-storey Cross Laminated Timber buildings. Stora Enso. (Jorge Branco, Paulo Lourenço).

Publications

Branco, J.M., Kekeliak, M., Lourenço, P.B., In-plane stiffness of timber floors strengthened with CLT. European Journal of Wood and Wood products. (in-press DOI: 10.1007/s00107-015-0892-2)

Branco, J.M., Tomasi, R. (2013), Analysis and Strengthening of Timber Floors and Roofs. In Structural Rehabilitation of Old Buildings. Costa, A, Miranda Guedes, J, Varum H. (eds.), Springer, ISBN: 978-3-642-39685-4, pp. 235-258. URL: <http://dx.doi.org/10.1007/978-3-642-39686-1> <http://hdl.handle.net/1822/26659>

Sena-Cruz, J.M., Jorge, M., Branco, J.M., Cunha, V.M.C.F. (2013), Bond between glulam and NSM CFRP laminates. Construction and Building Materials. 40 (2013) 260–269. URI: <http://hdl.handle.net/1822/21509>

Branco, J.M., Araújo, J.P. (2012), Structural behaviour of log timber walls under lateral in-plane loads. Engineering Structures. 40 (2012), 371-382. URI: <http://hdl.handle.net/1822/19907>

Branco, J.M., Piazza, M., Cruz, P.J.S. (2011), Experimental evaluation of different strengthening techniques of traditional timber connections. Engineering Structures. 33 (8), 2011, 2259-2270. URI: <http://hdl.handle.net/1822/13592>

Branco, J.M., Cruz, P.J.S., Piazza, M. (2009), Experimental analysis of laterally loaded nailed timber-to-concrete connections. Construction and Building Materials. 23 (1), 2009, 400-410. URI: <http://hdl.handle.net/1822/9208>

