Prof. Dr. **Alfredo Geraldes Dias (Portugal)**
University of Coimbra
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COST FP1402, MC Member, WG4 Leader

Personal	*Organisation*		
Years of experience in relevant field: 10 Expertise: Timber composites Connections in timber composites Degree: PhD (04.04.2005)	Civil Engineering(www.uc.pt/fctuc/dec) Focus: theoretical and practical research / innovation, and education and training Facilities: Testing lab facility for timber structures and products Specific testing equipment for timber structures and products		
	No. of staff	PhD students	MSc/year
	3	5	6

Research projects

WG4

LOGCORK - "Sustainability in construction through the incorporation of materials optimized by nature", 3 years (2010-2013), Alfredo Dias, Helena Cruz, Sandra Monteiro

Ecotabuleiro – "Road bridges for rural areas made with roundwood members", 2.5 years (2013-2015), Alfredo Dias and Sandra Monteiro.

WG3

Mechanical assessment of glued based connetion for structural timber members, 3 years (2005-2008), Alfredo Dias.

Publications

WG1

- Dias, A. M. P. G., A. R. D. Martins, L. M. C. Simões, P. P. and A. Andrade (2015). "Statistical Analysis of the Load Slip Behaviour in Timber-Concrete Connections." Computers and Structures

WG2

- Jorge, L. F. C. and A. M. P. G. Dias (2013). "X-Lam panels in swimming-pool building – monitoring the environment and the performance." journal Advanced Materials Research 778.

WG3

- Dias, A. M. P. G. and L. F. C. Jorge (2011). "The effect of ductile connectors on the behaviour of timber-concrete composite beams." Engineering Structures 33(11): 3033-3042.

- Morgado, T. F. M., A. M. P. G. Dias, J. S. Machado and J. H. Negrao (2013). "Structural Connections for Small-Diameter Poles." Journal of Structural Engineering 139(11)

WG4

- Santos, P. G. G., A. M. P. G. Dias, C. E. J. Martins and L. Godinho (2015). "Vibration Testing and Modeling of a Reinforced Timber-Concrete Composite Floors." Journal of Structural Engineering - ASCE

- Monteiro, S. R. S., A. M. P. G. Dias and S. M. R. Lopes (2014). "Bi-dimensional numerical modeling of timber–concrete slab-type structures." Materials and structures 37(2): 50-65.

- Dias, A. M. P. G. (2012). "Analysis of the Nonlinear Behavior of Timber-Concrete Connections." JOURNAL OF STRUCTURAL ENGINEERING-ASCE 138(9): 1128-1137