

Prof. Dr. **Artur Feio (Portugal)**

University Lusíada

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COST FP1402, MC Substitute Member, WG1 Member



Personal

Years of experience in relevant field: 14
Expertise: Develops, since 2001, investigation in the fields of sustainability of materials and construction systems, wood structures, structural rehabilitation of wood structures, NDT tests on wood structures and modelling of structural wood-wood connections.

Degree: PhD. (01.03.2006)

Organisation

Architectural and Civil Eng. Department
(www.fam.ulusiada.pt)

Focus: theoretical and practical research / innovation and education / training

Facilities: Regular Testing Lab.

No. of staff	PhD students	MSc/year
5	3	22

Research projects

SFRH/BD/73853/2002 - Inspection and Diagnosis of Historical Timber Structures: NDT Correlations and Structural Behaviour.

POCI/ECM/56552/2004 (2005-2008). Influence of the joint stiffness in the static and dynamic behaviour of timber structures: consequences of different strengthening techniques.

Publications

Artur O. Feio; Paulo B. Lourenço; José S. Machado. Testing, NDT and modeling of a traditional timber mortise and tenon joint. *Materials and Structures, RILEM*, Volume 47, Issue 1-2, pages 213-225 January 2014.

Artur O. Feio; Paulo B. Lourenço; José S. Machado. Non-Destructive Evaluation of the Mechanical Behavior of Chestnut Wood in Tension and Compression Parallel to Grain. *International Journal of Architectural Heritage*, Volume 1, Issue 3 July 2007, pages 272 – 292.

Paulo B. Lourenço; Artur O. Feio; José S. Machado. Chestnut wood in compression perpendicular to the grain: Non-destructive correlations for test results in new and old wood. *Construction and Building Materials*, Volume 21, Issue 8, August 2007, Pages 1617-1627, ISSN 0950-0618.

Feio, A.; Lourenço, P.B.; Machado, J. Capacity of a Traditional Timber Mortise and Tenon Joint. *Structural Analysis of Historic Construction: Preserving Safety and Significance. Proceedings of the 6th International Conference on Structural Analysis of Historic Construction, SAHC08*, pp. 833-841. Taylor & Francis Group, London, ISBN 978-0-415-46872-5, July 2008.

