Dr. Josef Füssl **(Austria)**
Vienna University of Technology
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COST FP1402, MC Substitute Member , WG2 Member

Personal	*Organisation*
Years of experience in relevant field: - Expertise: Numerical modeling of wood-based products (GLT, CLT) Prediction of effective strength and failure mechanisms Stochastic effects Degree: - (-)	Institute for Mechanics of Materials and Structures (www.imws.tuwien.ac.at) Focus: theoretical and practical research / innovation and education and training Facilities: high performance computation facilities and mechanical testing facilities: - uniaxial and triaxial testing machines for up to 250 kN - full-field deformation measurement system (DIC, ESPI)

No. of staff	PhD students	MSc/year
0	0	0

Research projects

2011-2015
"Characterization of Wood Products and Connections - From Mechanical Modeling to Engineering Application"
FFG-Project in cooperation with the Association of the Austrian Wood Industries

2007-2010
"Mechanical characterization of wood for knowledge-based timber industry"
FFG-Project in cooperation with the Association of the Austrian Wood Industries

Publications

G. Hochreiner, J. Füssl, J. Eberhardsteiner: "Cross-laminated timber plates subjected to concentrated loading - Experimental identification of failure mechanisms"; Strain, 50 (2014), S. 68-81

G. Hochreiner, J. Füssl, E. Serrano, J. Eberhardsteiner: "Influence of Wooden Board Strength Class on the Performance of Cross-Laminated Timber Plates Investigated by Means of Full-Field Deformation Measurements"; Strain, 50 (2014), S. 161-173

M. Lukacevic, J. Füssl: "Numerical Simulation Tool for Wooden boards with a Physically Based Approach to Identify Structural Failure"; European Journal of Wood and Wood Products (2014) 72:497-508

M. Lukacevic, J. Füssl, M. Griessner, J. Eberhardsteiner: "Performance Assessment of a Numerical Simulation Tool for Wooden Boards with Knots by Means of Full-Field Deformation Measurements"; Strain, 50 (2014), S. 301-317

M. Lukacevic, J. Füssl, J. Eberhardsteiner: "Discussion of common and introduction of new indicating.