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 COST FP1402, STSM Candidate



*Personal*

Years of experience in relevant field: 2  
 Expertise: modelling of timber joints, reinforcement  
 Degree: National Graduate Engineering School (08.01.2015)

*Organisation*

LERMAB (<http://lermab.univ-lorraine.fr/>)  
 Focus: theoretical and practical research / innovation and education/training.  
 Facilities: mechanical testing labs, 5-axis robot, gantry robot, drying chamber  
 Optical measuring instruments (Aramis)  
 NDT instruments (GeoRadar)

No. of staff	PhD students	MSc/year
1	0	0

*Research projects*

"Développement d'un outil de calcul non linéaire de dimensionnement d'assemblages bois tridimensionnels soumis à des torseurs plans"  
 ("Development of a non-linear calculation tool for design three-dimensional timber joints subjected to plane loadings")

09.2016 - 09.2019

Project promoted by LERMAB (60%) and CODIFAB (40%)

People involved: Romain Lemaître (PhD student), Laurent Bléron (thesis director), Jean-François Bocquet (thesis co-director).

*Publications*

1. Michael Schweigler, Thomas K. Bader, Georg Hochreiner, Romain Lemaître, "Parameterization equations for the nonlinear connection slip applied to the anisotropic embedment behavior of wood", Composites Part B. (2017) (in revision).

2. Thomas K. Bader, Jean-François Bocquet, Michael Schweigler, Romain Lemaître, "Numerical Modeling of the Load Distribution in Multiple Fasteners Joints", Proceedings of the Conference of COST Action FP1402, Graz, Austria, 13.09.2017, p. 136-153.

