Prof. Dr. **Jochen Köhler (Norway)**
Norwegian University of Science and Technology
Trondheim, Norway
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Vice Chairman COST FP1402, MC Member, WG1 Leader

Personal	*Organisation*		
Years of experience in relevant field: 15 Expertise: Basic of Design, Structural Reliability, Timber Engineering Degree: PhD. (1.6.2006)	Institute of Structural Engineering (http://www.ntnu.edu/kt) Focus: theoretical and practical research / innovation and education / training) Facilities: fully equipped testing lab, climate chambers, parallel computer, library		
	No. of staff	PhD students	MSc/year
	10	7	30

Research projects

WoodWisdom Project: Durable Timber Bridges / Contact: K.A. Malo (5 PhD)

WoodWisdom Project: TallFacades / Contact: J.Kohler (1PhD)

Phd Project on Reliability Based Code Calibration / Contact: J.Kohler

Publications

Fink, Gerhard; Kohler, Jochen. (2014) Model for the prediction of the tensile strength and tensile stiffness of knot clusters within structural timber. European Journal of Wood and Wood Products. vol. 72 (3).

Köhler, Jochen; Brandner, Reinhard; Thiel, Alexandra B.; Schickhofer, Gerhard. (2013) Probabilistic characterisation of the length effect for parallel to the grain tensile strength of Central European spruce. Engineering structures. vol. 56.

Köhler J. and Svensson S. (2010). Probabilistic representation of duration of load effects in timber structures. Engineering Structures, Volume 33, Issue 2, February 2011, Pages 462-467.

Köhler J., Sørensen J.D. and Faber M.H. (2006). Probabilistic modelling of timber structures. Journal of Structural Safety, Volume 29 (4), pp. 255-267.

Labonnote, Nathalie; Rønnquist, Anders; Malo, Kjell Arne. (2014) Prediction of material damping in timber floors, and subsequent evaluation of structural damping. Materials and Structures.

Angst, Vanessa; Malo, Kjell Arne. (2013) Moisture-induced stresses in glulam cross sections during wetting exposures. Wood Science and Technology. vol. 47 (2).

Malo, Kjell Arne; Siem, Jan Helge; Ellingsbø, Pål. (2011) Quantifying ductility in timber structures. Engineering structures. vol. 33 (11).

Bell, Kolbein. (2014) Design of timber structures in a digital world. WCTE 2014, World Conference on Timber Engineering; Book of abstracts, Volume II.

Bell, Kolbein. (2011) Shear failure in glulam frames - An actual case. Assessment of Failures and Malfunctions - Guidelines for Quality Control.