

Dr. Daniel Honfi (Hungary)

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COST FP1402, MC Member, WG1 Member



Personal

Years of experience in relevant field: 7
Expertise: code calibration, structural reliability, serviceability, modelling of mechano-sorptive creep
Degree: PhD (23.01.2014)

Organisation

SP Technical Research Institute of Sweden, Structural and Solid Mechanics
(www.sp.se)
Focus: practical research / innovation
Facilities: structural laboratory

No. of staff	PhD students	MSc/year
20	-	-

Research projects

Cluster Wooden Bridges, 2013-2014, A. Gustafsson, A. Pousette
DuraTB – Durable Timber Bridges, 2014-17, A. Pousette
Tall Timber Facades - Identification of Cost-effective and Resilient Envelopes for Wood Constructions, 2014-17, K. Sandberg
Service life and performance of exterior wood above ground (WoodExter), 2007-2011, J. Jermer
Harmonization of building regulations in the Nordic countries for wooden houses, 2007-2008, A. Gustafsson, A. Pousette

Publications

Honfi, D., A. Mårtensson, S. Thelandersson and R. Kliger (2014). "Modelling of Bending Creep of Low- and High-Temperature-Dried Spruce Timber." *Wood Science and Technology* 48(1): 23-36.

Olsson, A., J. Oscarsson, E. Serrano, B. Källsner, M. Johansson, and B. Enquist (2013). "Prediction of Timber Bending Strength and in-Member Cross-Sectional Stiffness Variation on the Basis of Local Wood Fibre Orientation." *European Journal of Wood and Wood Products* 71(3), 319-33.

Björngrim, N., A. Gustafsson, A. Pousette and O. Hagman (2011). "Health monitoring of a cable-stayed timber footbridge", *International Conference on Structural Health Monitoring of Timber Structures*, Lisbon, Portugal.

Viitanen, H, T. Toratti, L. Makkonen, S. Thelandersson, T. Isaksson, E. Früwald, J. Jermer, F. Englund and E. Suttie (2011). "Modelling of service life and durability of wooden structure. *Proceedings NSB 2011, 9th Nordic Symposium on Building Physics*, Tampere, Finland.

Gustafsson, A., A. Pousette and N. Björngrim (2010) "Health monitoring of timber bridges", *International Conference on Timber Bridges (ICTB)*, Lillehammer, Norway

Serrano, E. and P. J. Gustafsson (2006). "Fracture Mechanics in Timber Engineering – Strength Analyses of Components and Joints." *Materials and Structures* 40(1): 87-96..

