

Dr. Georg Hochreiner (Austria)

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COST FP1402, MC Member, WG1 Member



Personal

Years of experience in relevant field: 25
Expertise: Timber engineering / innovative design
Structural modelling in the context of commercial structural software (connectors, CLT, GL, ..)
Background for several generations of design standards for timber structures
Degree: Dr. techn. (25.8.2014)

Organisation

Institute for Mechanics of Materials and Structures
(www.imws.tuwien.ac.at)
Focus: theoretical and practical research / innovation, design of structures, education / training and expert assessment.
Facilities: high performance computation facilities and mechanical testing facilities (including uniaxial and triaxial testing machines for up to 250 kN; full-field deformation measurement system)

No. of staff	PhD students	MSc/year
6	3	15

Research projects

Mechwood-1 (2011-2015)
"Characterization of Wood Products and Connections - From Mechanical Modeling to Engineering Applications"
FFG-Project in cooperation with the Association of the Austrian Wood Industries
Mechwood-2 (2007-2010)
"Mechanical characterization of wood for knowledge-based timber industry"
FFG-Project in cooperation with the Association of the Austrian Wood Industries

Publications

for WG1: Probabilistic

G. Kandler, J. Füssl, J. Eberhardsteiner: "Stochastic finite element approaches for wood-based products – theoretical framework and review of methods"; Wood Science and Technology (2015), accepted.

G. Kandler, J. Füssl, E. Serrano, J. Eberhardsteiner: "Influence of stiffness variation in timber boards on effective stiffness of GLT beams"; Wood Science and Technology (2015), accepted.

