

**Mr. Andreas Ringhofer (Austria)**

Graz University of Technology  
Graz, Austria

[andreas.ringhofer\(at\)tugraz.at](mailto:andreas.ringhofer@tugraz.at)

COST FP1402, WG3 Member



*Personal*

Years of experience in relevant field: 5  
Expertise: timber engineering, wood technology, joints & fasteners, especially connection technique with self-tapping screws

Degree: Dipl.Ing. (24.11.2010)

*Organisation*

Institute of Timber Engineering and Wood Technology  
([www.lignum.tugraz.at](http://www.lignum.tugraz.at))

Focus: theoretical and practical research / innovation, design of structures, execution of structures and education/training

Facilities : testing lab collaboration of the Faculty of Civil Engineering, especially for determination of mechanical strength and stiffness properties, various test machines with applicable forces up to 4 MN, climatic chambers, etc.

No. of staff	PhD students	MSc/year
7	4	10

*Research projects*

COMET K-Project 'timber.engineering', 01/2008-12/2012, mainly staff of the competence centre holz.bau forschung gmbh and of the institute, [www.holzbauforschung.at](http://www.holzbauforschung.at)

COMET K-Project 'focus\_sts', 01/2013-12/2016, mainly staff of the competence centre holz.bau forschung gmbh and of the institute, [www.holzbauforschung.at](http://www.holzbauforschung.at)

European Framework Programme 7 'Seismic Engineering Research Infrastructures for European Synergies (SERIES)', part Cross Laminated Timber, 07/2011-02/2013, Georg Flatscher, Andreas Ringhofer, Gerhard Schickhofer, [www.series.upatras.gr/TIMBER\\_BUILDINGS](http://www.series.upatras.gr/TIMBER_BUILDINGS)

FFG BRIDGE Project 'SCREWS', 03/2010-12/2012, Gernot Pirnbacher, Andreas Ringhofer, Gerhard Schickhofer

*Publications*

Pirnbacher, G., Brandner, R., Schickhofer, G. 2009 'Base parameters of self-tapping screws', CIB-W18/42-7-1, Duebendorf, Switzerland.

Krenn, H., Schickhofer, G. 2009 'Joints with inclined screws and steel plates as outer members', CIB-W18/42-7-1, Duebendorf, Switzerland.

Huebner, U. 2013 'Withdrawal strength of self-tapping screws in hardwoods' CIB-W18/46-7-4, Vancouver, Canada.

Ringhofer, A., Brandner, R., Schickhofer, G. 2014 'Entwicklung einer optimierten Schraubengeometrie für hochbeanspruchte Stahl-Holz-Verbindungen', Bautechnik, Vol. 91, pp. 31-37.

Ringhofer, A., Grabner, M., Silva, C.V., Branco, J., Schickhofer, G. 2014 'The influence of moisture content variation on the withdrawal capacity of self-tapping screws', Holztechnologie, Vol. 55, pp. 33 - 40.

Ringhofer, A., Brandner, R., Schickhofer, G. 2015 'Withdrawal resistance of self-tapping screws in unidirectional and orthogonal layered timber products', Materials and Structures, Vol. 48, pp. 1435 - 1447.

Flatscher, G., Bratulic, K., Schickhofer, G. 2015 'Experimental tests on cross-laminated timber joints and walls.', Structures and Buildings, DOI: 10.1680/stbu.13.00085 (in press).

Flatscher, G., Schickhofer, G. 2015 'Shaking table test of a cross-laminated timber structure.' Structures and Buildings, (accepted for publication).

