Dr. **Philipp Dietsch (Germany)**
Technische Universität München
Munich, Germany
dietsch@tum.de
http://www.hb.bgu.tum.de/index.php?id=68
Chairman COST FP1402

Personal	*Organisation*
Years of experience in relevant field: 10 Expertise: assessment, reinforcement and monitoring of timber structures, solid timber products, standardization Degree: Dr.-Ing. (24.8.2012)	Chair of Timber Structures and Building Construction (www.hb.bgu.tum.de) Focus: theoretical and practical research / innovation and education / training) Facilities: fully equipped testing lab, climate chambers, equipment for in-situ testing

No. of staff	PhD students	MSc/year
30	24	40

Research projects

Post-tensioned elements from cross-laminated timber for high timber buildings (3 years)

Holes in beams placed eccentrically or in groups (2.5 years)

Economic and environmental potential of high-bay warehouses from timber (2.5 years)

Bonding of various wood species – studies about their applicability in glued laminated timber (3 years)

Design and application of shear reinforcements for glued-laminated timber beams (3 years)

Cross Laminated Timber (CLT) - Plane Structures under Concentrated Loading from Point Supports - Shear Design including Reinforcements (3 years)

Revision of Eurocode 5

Publications

Brandner, R., Dietsch, P., Dröscher, J., Schulte-Wrede, M., Sieder, M., Schickhofer, G., Winter, S., Shear Properties of Cross Laminated Timber (CLT) under in-plane load: Test Configuration and Experimental Study, INTER / 48-12-2, Sibenik, Croatia, 2015

Dietsch, P., Brandner, R., Self-tapping screws and threaded rods as reinforcement for structural timber elements – A state-of-the-art report, Construction and Building Materials, Vol. 97, 2015, pp 78–89

Harte, A., Dietsch, P. (eds), Reinforcement of Timber Structures - A state-of-the-art report, Shaker Publishing Company, Aachen, ISBN 978-3-8440-3751-7, 2015

Dietsch, P., Gamper, A., Merk, M., Winter, S., Monitoring building climate and timber moisture gradient in large-span timber structure, Journal of Civil Structural Health Monitoring, Vol. 5, No. 2, 2015, pp 153-165

Aondio, P.; Winter, S.; Kreuzinger, H.; van de Kuilen, J.-W.: Calculation of cylindrical shells from wood or wood based products and consideration of the stress relaxation, INTER / 47 – 12 – 1, Bath, United Kingdom, 2014

Jiang, Y., Schaffrath, J., Knorz, M., Winter, S., van de Kuilen, J.-W., Applicability of various wood species in glued laminated timber - parameter study on delamination resistance and shear strength, WCTE 2014, Quebec, Canada

Dietsch, P., Kreuzinger, H., Winter, S., Design of shear reinforcement for timber beams, CIB-W18 / 46-7-9, Meeting 46, Vancouver, Canada, 2013

Dietsch, P., Winter, S., Eurocode 5 - Future Developments towards a More Comprehensive Code on Timber Structures, Structural Engineering International 21, Issue 2, pp. 223-231, 2012

Mestek, P., Kreuzinger, H., Winter, S., Design Concept for CLT - Reinforced with Self-Tapping Screws, CIB-W18 / 44-7-2, Meeting 44, Alghero, Italy, 2011

Winter, S., Dietsch, P., Eurocode 5 - Bemessung und Konstruktion von Holzbauwerken, Bauingenieur 86, Heft 7/8, S. 348-355, 2011

Dietsch, P., Robustness of large-span timber roof structures - Structural aspects, Engineering Structures, Vol. 33, No. 11, 2011, pp. 3106–3112

Hamm, P., Richter, A., Winter, S., Floor vibrations – new results, WCTE 2010, Riva del Garda, Italy